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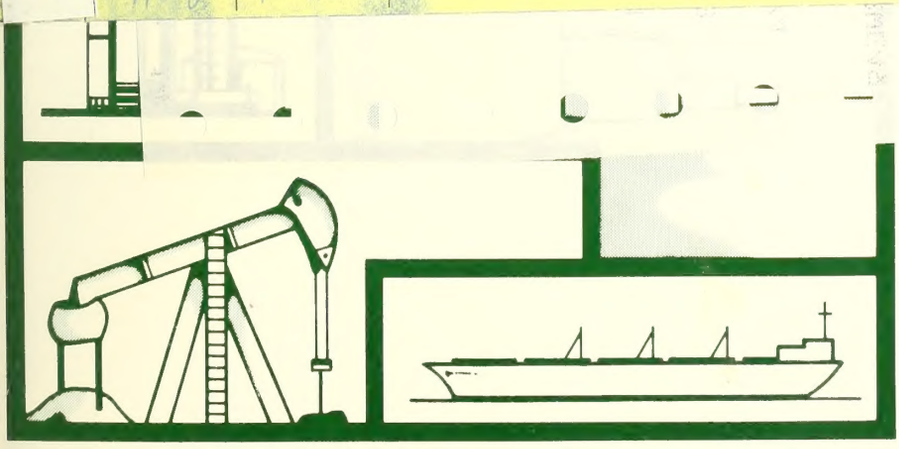
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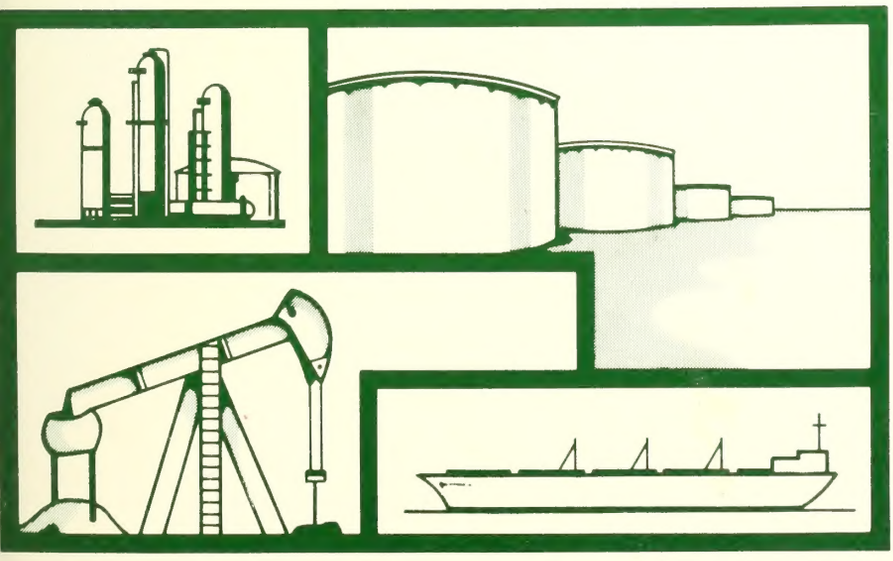
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Petroleum Supply Annual 1987

Volume 1



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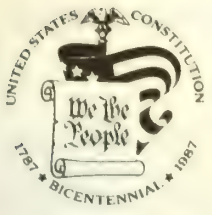
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Volume 1

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Preface

The Petroleum Supply Annual (PSA) contains information on the supply and disposition of crude oil and petroleum products. The publication reflects data that were collected from the petroleum industry during 1987 through annual and monthly surveys. The PSA is divided into two volumes. This first volume contains two sections, Petroleum Supply Summary and Refinery Capacity, each with final annual data. The second volume contains final statistics for each month of 1987, and replaces data previously published in the *Petroleum Supply Monthly* (PSM). The tables in Volumes I and II are similarly numbered to facilitate comparison between them. Below is a description of each section in Volume I of the PSA.

Petroleum Supply Summary

This section contains a summary of the data presented each month in the PSM and in Volume II of the PSA. It includes a description of the major events in the petroleum industry during 1987 including trends in supply, consumption, and production. Graphs and tables are provided which show 15 years of data depicting the balance between supply, disposition and ending stocks for various commodities including crude oil, motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases. Tables also provide 1987 detailed statistics on supply and disposition, refinery operations, imports and exports, stocks, and transportation of crude oil and petroleum products.

Refinery Capacity

This section describes major activities within the refinery industry during 1987. The tables are compiled from the Form EIA-820, *Annual Refinery Report*. Of particular note are listings of facilities and associated capacities in each State. In addition, summaries of corporate refinery capacities, refinery storage facilities in selected States, and refinery shutdowns, sales and mergers during 1987 are provided.

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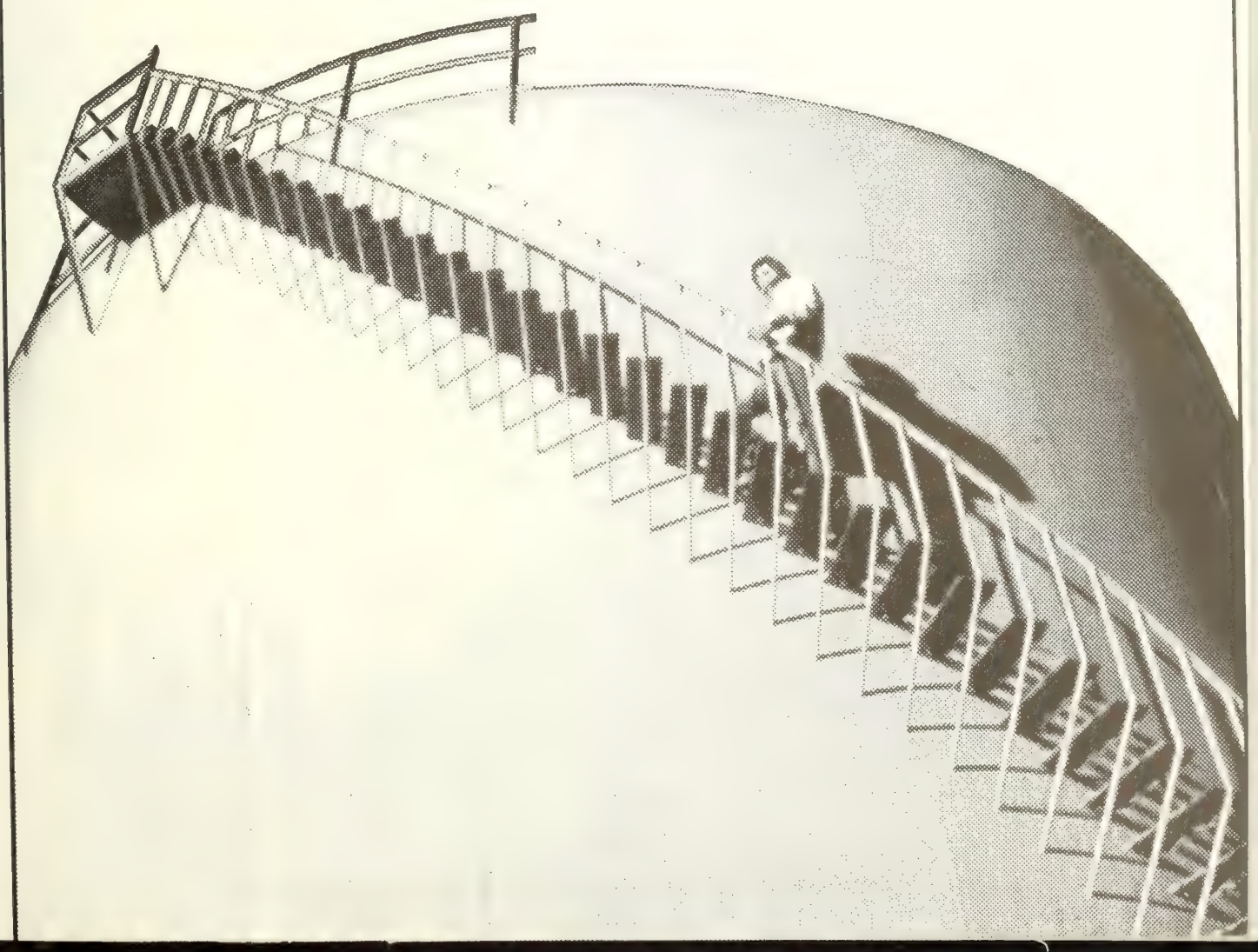
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Petroleum Supply Summary



U.S. Petroleum Supply

by Herbert Franklin and Irvin Chamberlain

Overview

Demand for petroleum products increased by nearly 0.4 million barrels per day in 1987; this increase was about two-thirds of the 1986 increase. (Demand is measured as "Product Supplied" in the *Petroleum Supply Annual*, and the term is used interchangeably with the term "consumption" throughout this text.) The increased use of petroleum products can be attributed primarily to a 2.7-percent economic expansion (defined as growth in real gross national product) and to an increase of about 1 percent in real disposable personal income, which induced heavier travel. [1] The increase was moderated somewhat by increasing petroleum prices and by winter temperatures that were warmer than normal.

U.S. petroleum supply activity in 1987 was relatively uneventful by comparison with the dramatic events of 1986. It was a year of slow recovery for the exploration and production sectors of the U.S. petroleum industry, which suffered so severely from the plunge in crude oil prices during 1986. The recovery, as evidenced by increased drilling activity (average number of rotary rigs in operation), was not apparent until July when the average number of rotary rigs in operation increased 14 percent over the June average; thereafter, the average number of rotary rigs in operation increased monthly for the remainder of the year.

Uncertainty about the level and stability of crude oil prices in the early months of 1987 may have slowed the turnaround in drilling activities, as investors watched efforts by the Organization of Petroleum Exporting Countries (OPEC) to stabilize prices around a reference price of $18.00 per barrel. By March, the OPEC had reduced crude oil production to 15.85 million barrels per day [2], and imported crude oil prices rose steadily through July. As these trends boosted producer optimism, drilling activity moved sharply upward in July and remained relatively high for the remainder of the year.

Although drilling activity did increase substantially in the latter part of 1987, average drilling activity for the year dropped nearly 3 percent from the low levels of 1986. This is the third consecutive annual decline in drilling activity and most likely will contribute to a further decline in the number of producing wells, resulting in lower domestic production for the next few years.

U.S. crude oil production, which is heavily dependent on continued high levels of drilling activity, declined more than 0.3 million barrels per day from the 1986 level. The crude oil production decline was partially offset by increased natural gas liquids production. The net change in liquid hydrocarbon (crude oil plus natural gas liquids) production for 1987 was a decline of nearly 0.3 million barrels per day. The 1987 decline in crude oil production is probably a result of the decline in drilling activity since 1985, as well as the fact that a large number of stripper wells (wells producing less than 10 barrels per day) that ceased operations in 1986 remained closed.

An increase in petroleum imports was needed to help satisfy growing demand as indigenous production of liquid hydrocarbons dropped for the second straight year. Crude oil imports rose by 0.50 million barrels per day, while product imports declined by more than 0.04 million barrels per day. Most of the imported crude oil was used to meet current demand, but a crude oil stock build of 0.13 million barrels per day implies that a significant portion of the imported crude oil may have been purchased because of the availability of crude oil at bargain prices late in the year.

The year ended on a note of uncertainty as the OPEC extended its June 1987 agreement on production quotas and a crude oil

Note: Unless otherwise referenced, all data reported in this article are from Energy Information Administration publications: *Annual Energy Review* 1986, DOE/EIA-0384(86); *Monthly Energy Review*, December 1987, DOE/EIA-0035 (87/12); and *Petroleum Supply Annual* 1987, Volume 1, DOE/EIA-0340 (87/1), and predecessor reports.

[1] Energy Information Administration, *Short-Term Energy Outlook*, January 1988, DOE/EIA-0202 (88/1Q), (Washington, DC, February 1988), Table 4.
[2] Energy Information Administration, International Contingency and Information Division, International Statistics Data Base, April 1988.

reference price of $18.00 per barrel. The same agreement had been violated repeatedly during the latter half of 1987, especially in August when OPEC production exceeded its 16.6 million barrel-per-day ceiling by 3.8 million barrels per day.[3] Continuation of the same agreement without enforcement of the production quotas is likely to perpetuate oversupply and pricing problems. Within the week following the OPEC agreement in December, spot market prices did indeed plunge to their lowest levels in a year.[4]

Product Demand

The primary factors that affect change in petroleum product demand are national economic growth trends, petroleum price levels, weather conditions, and efforts to conserve petroleum.

Economic expansion is a strong stimulus for increased consumption of petroleum products on a broad scale. Increased industrial production, transport of goods, provision of services, and sales activities all require greater volumes of fuel. A secondary factor that is related to the state of the economy is the amount of disposable income that is available; an expanding economy increases disposable personal income and the amount of personal funds that can be spent on travel and petrochemical products. Conversely, economic recession contracts the various economic activities outlined above, and petroleum use declines.

Low petroleum prices tend to increase purchases of fuel and petroleum-based products. Discretionary efforts to conserve petroleum fuel are reduced; for example, individuals feel free to drive larger, less fuel-efficient vehicles and to travel more miles. Electric utility and industrial plants will substitute lower-priced petroleum fuel and petrochemical feedstocks for more expensive fuel types wherever dual-fired boilers or suitable petrochemical processing equipment permit such substitution. When petroleum prices are relatively high, these trends are reversed.

Weather changes have an obvious impact on the use of heating fuels in winter. During the summer, additional volumes of residual fuel oil are required as a primary fuel for generating electricity used in air conditioning units.

The need to conserve scarce U.S. petroleum supplies became evident during the Arab oil embargo of 1973. Soon thereafter, the Federal Government mandated several far-reaching conservation programs. One of the most significant was the Corporate Average Fuel Economy (CAFE) Standards Program, which led to the manufacture of an ever-increasing number of smaller, more fuel-efficient automobiles. Over time, this one broad-scale conservation measure has had a tremendous impact on the consumption of motor gasoline. The U.S. passenger car fleet increased its fuel efficiency (miles traveled per gallon) by nearly 38 percent from 1973 to 1986. Another Government-mandated conservation program that led to broad-scale savings was the establishment of a national speed limit of 55 miles per hour on interstate highways. This conservation measure was relaxed during 1987 by permitting speed limits up to 65 miles per hour if approved by State governments. In addition to mandated programs, tax incentives induced improvement in building insulation and installation of high-efficiency heating and cooling equipment.

The impact of these and other conservation efforts has been felt throughout the economy. The amount of petroleum consumed per dollar of Gross National Product (GNP) can be used as a measure of the general effectiveness of conservation efforts that pervade the entire U.S. economy. In terms of thousand Btu consumed per 1982 dollar of GNP, petroleum consumption declined from 12.70 in 1973 to 8.54 in 1987 (Table FE1). This represents a 33 percent reduction in petroleum use based on the GNP expressed in constant dollars.

Table FE1. Petroleum Consumption per Constant Dollar of GNP [1]

	GNP[1] (trillion 1982 dollars)	Petroleum Consumption (quadrillion Btu)	Petroleum Consumption per Constant Dollar of GNP[1] (thousand Btu per 1982 dollar)
1973	2.744	34.840	12.70
1978	3.115	37.965	12.19
1983	3.279	30.054	9.17
1987	3.820	32.627	8.54

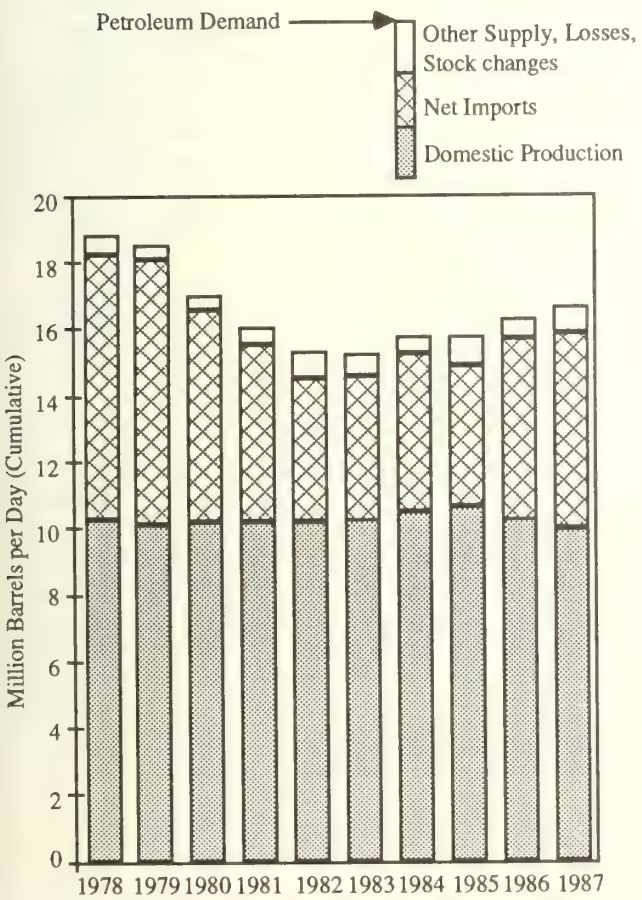
[1] GNP = Gross National Product.
Source: Energy Information Administration, *Monthly Energy Review*, December 1987, Tables 1.4 and 1.7.

[3] Energy Information Administration, International Contingency and Information Division, International Statistics Data Base, April 1988.
[4] Petroleum Intelligence Weekly, *Marketview*, (New York, NY, December 21, 1987), p. 6.

Domestic demand for petroleum products declined for 5 consecutive years from a peak of 18.8 million barrels per day in 1978 to 15.2 million barrels per day in 1983 (Figure FE1). This decline resulted from mandated and price-induced conservation plus economic downturns in 1980 and 1982. During 1984 and 1985, improving economic conditions and declining petroleum prices resulted in a higher level of demand. Total petroleum product demand climbed sharply to 16.3 million barrels per day in 1986, an increase of nearly 0.6 million barrels per day over the 1985 level. This surge in demand was stimulated by a precipitous drop in crude oil prices and continued economic expansion.

During 1987, petroleum product demand rose to 16.7 million barrels per day, largely on the strength of a moderate 2.7 percent growth in economic activity. However, the 1987 increase in petroleum demand was only about two-thirds that of the 1986 increase. This slowdown in the rate of demand

Figure FE1. Petroleum Supply and Demand, 1978-1987 [1]



[1] Petroleum demand is measured as product supplied.

Source: Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table 3, and predecessor reports.

growth can be attributed in large part to an increase in petroleum prices, which may have induced some discretionary conservation efforts. Perhaps the most significant factor in causing the slowdown was the substitution by electric utilities of natural gas for relatively expensive residual fuel oil. Winter temperatures were slightly above normal and did not significantly affect 1987 petroleum demand growth.

Motor Gasoline

Motor Gasoline consumption increased to 7.2 million barrels per day in 1987. This can be attributed mainly to general economic expansion and a 1 percent growth in personal disposable income which resulted in higher levels of business and recreational travel.

The 1987 increase in motor gasoline demand marks the fifth consecutive annual increase, but consumption still remains below the peak level of 1978 (Table FE2). This illustrates the effectiveness of the broad-scale conservation programs oriented toward motor gasoline (CAFE standards and national highway speed limit) and of individual discretionary conservation efforts (e.g., carpooling). The effectiveness of conservation is especially emphasized by the relatively low use of gasoline despite the fact that real gasoline costs remained near the record low levels of 1986.

Distillate Fuel Oil

Distillate fuel oil is used principally in the transportation sector of the economy to power buses, trucks, trains, and a small percentage of passenger vehicles. Other significant uses are for heating residential and commercial buildings and for firing industrial and electric utility boilers.

Demand for distillate fuel oil rose to a level of 3.0 million barrels per day in 1987. The growth in demand helped meet the increased transportation and industrial needs of the growing economy. Because of a warmer than normal winter, heating use was not much of a factor in the increased use of distillate fuel oil.

Residual Fuel Oil

The most important use of residual fuel oil is as a primary fuel for electric utility plants. Next in importance is its use as a bunkering fuel in ocean-going vessels, and close behind that, as a boiler fuel at industrial plants. A fourth and relatively minor use is as a heating fuel in commercial buildings.

Table FE2. U.S. Petroleum Supply--Salient Statistics, 1978-1987

Supply Elements	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indigenous Production (million barrels per day)										
Crude Oil	8.7	8.6	8.6	8.6	8.6	8.7	8.9	9.0	8.7	8.3
Natural Gas Liquids	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Other [1]	.1	s	s	s	.1	.1	s	.1	.1	.1
Total [2]	10.3	10.2	10.2	10.2	10.3	10.3	10.6	10.6	10.3	10.0
Imports (million barrels per day)										
Crude Oil (Industry)	6.2	6.5	5.2	4.1	3.3	3.1	3.2	3.1	4.1	4.6
Crude Oil (SPR) [3]	.2	.1	s	.3	.2	.2	.2	.1	s	.1
Products	2.0	1.9	1.6	1.6	1.6	1.7	2.0	1.9	2.0	2.0
Total [2]	8.4	8.5	6.9	6.0	5.1	5.1	5.4	5.1	6.2	6.7
Exports (million barrels per day)										
Crude Oil	.2	.2	.3	.2	.2	.2	.2	.2	.2	.2
Products	.2	.2	.3	.4	.6	.6	.5	.6	.6	.6
Total [2]	.4	.5	.5	.6	.8	.7	.7	.8	.8	.8
Stock Withdrawal (million barrels per day)										
Crude Oil (Industry)	.1	(.1)	(.1)	s	s	s	(s)	.1	(s)	(s)
Crude Oil (SPR) [3]	(.2)	(.1)	(s)	(.3)	(.2)	(.2)	(.2)	(.1)	(.1)	(.1)
Products	.2	(s)	(s)	.1	.3	.2	(.1)	.2	(.1)	.1
Total [2]	.1	(.2)	(.1)	(.2)	.1	s	(.3)	.1	(.2)	(s)
Products Supplied (million barrels per day)										
Motor Gasoline	7.4	7.0	6.6	6.6	6.5	6.6	6.7	6.8	7.0	7.2
Distillate Fuel Oil	3.4	3.3	2.9	2.8	2.7	2.7	2.8	2.9	2.9	3.0
Residual Fuel Oil	3.0	2.8	2.5	2.1	1.7	1.4	1.4	1.2	1.4	1.3
Jet Fuels	1.1	1.1	1.1	1.0	1.0	1.0	1.2	1.2	1.3	1.4
Liquid Petroleum Gases	1.4	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.6
Other Petroleum	2.5	2.7	2.5	2.1	1.9	2.0	2.0	2.0	2.1	2.2
Total	18.8	18.5	17.1	16.1	15.3	15.2	15.7	15.7	16.3	16.7
Year-End Stocks (million barrels)										
Crude Oil (Industry)	309	339	358	363	350	344	345	321	331	349
Crude Oil (SPR) [3]	67	91	108	230	294	379	451	493	512	541
Products	902	911	926	891	786	731	760	705	750	718
Total [2]	1,278	1,341	1,392	1,484	1,430	1,454	1,556	1,519	1,593	1,607
Average Refiner Acquisition Cost of Crude Oil (dollars per barrel)	12.46	17.72	28.07	35.24	31.87	28.99	28.63	26.75	14.55	17.91
Average Domestic First Purchase Price of Crude Oil (dollars per barrel)	9.00	12.64	21.59	31.77	28.52	26.19	25.88	24.09	12.51	15.41

[1] Includes other hydrocarbons and alcohol.
[2] Totals may not equal sum of components due to independent rounding.
[3] SPR = Strategic Petroleum Reserve.
s = Less than 0.05 million barrels per day.
( ) = Stock build.

Sources: Energy Information Administration, *Annual Energy Review 1986*; Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1 and predecessor reports; Energy Information Administration, *Monthly Energy Review*, December 1987.

Residual fuel oil demand fell to a level of 1.3 million barrels per day in 1987. Thus a long-term declining trend in residual fuel oil consumption resumed after being interrupted in 1986 (Table FE2) when electric utilities and perhaps some industrial plants opted to switch from relatively expensive natural gas. Electric utilities and industrial plants switched away from residual fuel oil in 1987 when it lost its price advantage. Residual fuel oil has now dropped below jet fuel in significance as a leading petroleum product in the United States.

Liquefied Petroleum Gases

Industrial facilities, particularly petrochemical plants and petroleum refineries, used nearly three-fourths of the liquefied petroleum gases (LPG's) consumed in 1986. Most of the remainder were used by the residential and commercial sectors, and a small volume was consumed for transportation. In addition to the technical advantage of LPG's as a fuel in petrochemical processing activities, LPG's also have a price advantage over heavier, refinery-processed hydrocarbons for use as petrochemical raw materials.

LPG consumption dropped during 1986, when naphtha was abundant and cost less than LPG's, giving it a temporary price advantage as a petrochemical feedstock. As crude oil prices increased in 1987, naphtha lost its price advantage, and petrochemical manufacturers switched back to a greater use of LPG's in petrochemical manufacturing activities. Consequently, LPG demand increased to a level of 1.6 million barrels per day in 1987, about the same level as in 1985.

Jet Fuel

Consumption of jet fuel increased to 1.4 million barrels per day in 1987. Increased use of jet fuel during 1987 resulted primarily from the expansion in economic activity and disposable personal income which fostered higher levels of business and recreational travel. An additional inducement to increased recreational travel was bargain-priced airfares resulting in part from the relatively low cost of kerosene-type jet fuel.

Reserves and Production

Indigenous production of liquid hydrocarbons continues to be the principal source of U.S. petroleum supply (Table FE2). However, the U.S. production base consists mainly of old fields with declining reservoir pressures. [5] Average crude oil productivity per well dropped from a peak level of 18.4 barrels per day in 1972 to 13.9 barrels per day in 1986. Areas believed to have most of the remaining potential for finding large, prolific fields are in high-cost environments (i.e. deep water and Arctic regions). [6]

U.S. Companies have been unable to sustain significant increases in national production of liquid hydrocarbons despite vast capital expenditures in the early 1980's (Table FE3). In fact, these large investments have merely enabled U.S. companies to forestall an inevitable production decline resulting from the predominance of old, heavily worked fields that characterize much of the U.S. petroleum production base.

Total U.S. liquid hydrocarbon production (from Alaska plus the lower 48 States) reflects highly stable production activity from 1980 through 1983. However, this overall picture of stability hides a very important distinction between production from Alaska and from the lower 48 States. Alaskan output has been growing annually since its North Slope fields began production in 1977; the only exception was in 1981 when a small decline occurred. On the other hand, production from the lower 48 States has been experiencing a general decline because of the predominance of old fields that are suffering a natural drop in productivity.

Table FE3. Crude Oil Prices, Capital Expenditures, and Well Completions

Year	Crude Oil First Purchase Price (dollars per barrel)	Capital Expenditures [1] (billion dollars)	Well Completions (thousand wells)
1979	12.64	25.8	51.91
1980	21.59	40.2	69.84
1981	31.77	65.4	90.03
1982	28.52	60.4	83.43
1983	26.19	50.5	74.90
1984	25.88	52.0	84.35
1985	24.09	48.7	69.17
1986	12.51	30.4	37.89
1987	15.41	NA	33.32

[1] Capital expenditures for exploration and production.
NA= Not available.
Sources: Crude Oil Prices -- Energy Information Administration, *Monthly Energy Review*, December 1987, Table 9.1; Capital Expenditures -- Energy Information Administration, *Financial Reporting System* (Form EIA-28); Well Completions -- Energy Information Administration, *Monthly Energy Review*, December 1987, Table 5.2.

[5] Energy Information Administration, *Impact of Surveillance Fields on Crude Oil Production in the United States*, DOE/EIA-0459, (Washington, DC, November 1984), p. 11.

[6] National Petroleum Council, *Factors Affecting U.S. Oil and Gas Outlook*, (Washington, DC, February, 1987), p. 126.

The declining trend in production in the lower 48 States was reversed in 1983 and 1984 by the effects of extensive infill development (drilling of additional wells between existing wells in a producing reservoir) in the early 1980's (Table FE3). When the increased production from the lower 48 States complemented growing Alaskan output in 1984, total U.S. production turned sharply upward. As the effects of intensive drilling activity in the early 1980's began to wane, lower 48-State production resumed its downward trend, but total U.S. liquid hydrocarbon production was buoyed by expanding Alaskan production that helped the U.S. achieve an overall production gain in 1985.

The crude oil price crash of 1986 caused many unprofitable stripper wells to be shut in. During 1986, liquid hydrocarbon production dropped, on average, 0.3 million barrels per day, reversing the gain made in 1984. The smaller number of producing wells in combination with declining productivity in many of the producing wells led to a further decline in production during 1987 of 0.3 million barrels per day. Thus, in 1987, U.S. liquid hydrocarbon production dropped to its lowest level in 10 years (Table FE2).

Proved Reserves

Proved reserves make up the defined pool of hydrocarbons from which U.S. companies can currently extract oil and gas. They comprise the domestic petroleum production base and are the primary source of oil and gas used in the United States. To the extent that this pool of oil and gas cannot satisfy domestic needs, the United States must draw down stocks or look abroad for additional supplies to meet current demand.

Estimates of the volume of total U.S. proved reserves are continually changing as greater knowledge of the oil reservoirs is gained by increased drilling and well development. As additional wells are completed, the extent of a reservoir can be more accurately delineated. This sometimes results in a reassessment of the volume of oil contained in the reservoir; additional volumes are referred to as "extensions." [7]

Of greater significance for the U.S. petroleum supply is the additional oil that can be extracted from known deposits by increasing the number of wells penetrating an oil reservoir; this brings larger portions of the reservoir closer to production outlets. This conventional recovery method, known as infill development, has been the chief means of increasing production in recent years. [8]

Substantial costs are associated with well-drilling activity. The magnitude of drilling activity undertaken by investors relates directly to current crude oil and natural gas price levels and to the perceived nature of future price trends. Average crude oil first-purchase (wellhead) prices plummeted 48 percent in 1986 (Table FE3). Prices recovered somewhat during 1987 but were declining again by the end of the year, thereby displaying a continuing price instability. Wellhead prices for natural gas have declined 36 percent since 1984. These downward price trends and the price instability during 1987 are reflected in the precipitous drop of 45 percent in well completions during 1986 and a continued decline of 12 percent in 1987 (Table FE3).

As well completions dropped in 1986, proved reserves of liquid hydrocarbons followed, dropping 3.6 percent (Table FE4). While proved reserves of natural gas liquids actually increased by 2.8 percent in 1986, crude oil reserves declined by 5.4 percent. [9] The 1986 decline stems from a 46-percent drop in total crude oil discoveries (i.e., extensions of existing reservoirs, and findings of new reservoirs and fields) and from a smaller than normal annual upward revision to previous estimates of crude oil reserves. Together, total discoveries

Table FE4. Proved Reserves of Liquid Hydrocarbons
(Million Barrels)

Year	Crude Oil	Natural Gas Liquids	Total
1978	31,355	6,772	38,127
1979	29,810	6,615	36,425
1980	29,805	6,728	36,533
1981	29,426	7,068	36,494
1982	27,858	7,221	35,079
1983	27,735	7,901	35,636
1984	28,446	7,643	36,089
1985	28,416	7,944	36,360
1986	26,889	8,165	35,054

Source: Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 1986 Annual Report*, Table 1.

[7] Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216(86), (Washington, DC, October 1987), p. 99.

[8] National Petroleum Council, *Factors Affecting U.S. Oil and Gas Outlook*, (Washington, DC, February, 1987), p. 129.

[9] Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216(86), (Washington, DC, October 1987), Table 1.

and revisions of crude oil reserve estimates resulted in an increase of 1,446 million barrels of proved reserves. However, proved crude oil reserves were depleted by 2,973 million barrels, resulting in a net decline of 1,527 million barrels from 1985 to 1986.[10]

Data are not yet available on reserve development activity in 1987. However, on the basis of price trends and the number of well completions reported for the year, some inferences can be made. During 1987, crude oil wellhead prices climbed steadily from an average level of $13.89 per barrel in January to a peak of $17.06 per barrel in August, and then declined to $14.27 per barrel in December. It appears that the positive movement in crude oil prices from January to August did induce a midyear increase in drilling activity after a decline in the early months. Despite this late surge, the average number of rotary rigs in operation during 1987 was nearly 3 percent lower than the average number for 1986. On the basis of the decrease in the annual average level of rotary rig activity, it can be inferred that proved reserves declined again in 1987.

Indigenous Production

As noted earlier, most U.S. producing fields are old and are experiencing a natural decline in productivity. Without increased production from prolific new fields and/or sustained high levels of infill drilling and the application of enhanced oil recovery techniques, overall U.S. production of liquid hydrocarbons will decline.

Although crude oil wellhead prices increased steadily for the first 8 months of 1987, drilling activity (as measured by the average number of rotary rigs in operation) declined and remained at very low levels until moving sharply upward in the second half of the year. The early decline can be attributed to a prevailing uncertainty about the ability of OPEC to raise and maintain higher crude oil price levels through adoption of fixed pricing and controlled production levels. Although drilling activity did increase substantially in the second half of the year, the annual average level of rotary rig activity remained under the low of 1986. This implies a further decline in domestic liquid hydrocarbon production extending into 1988 and beyond.

Total U.S. indigenous production of liquid hydrocarbons during 1987 continued the annual decline that began in 1986 after 6 years of small to moderate gains. The 1987 decline in production can be attributed to two principal factors. First, and perhaps foremost, the decrease in annual well completions since 1985 (Table FE3) reflects a decline in the requisite infill development necessary to stem the natural decline in productivity suffered by most U.S. oil fields. Second, crude oil prices have not risen enough to induce operators to reopen many of the stripper wells that were closed during 1986. However, some producers whose wells had been inactive for extended periods may have been forced to resume production despite relatively low crude oil prices or else plug their wells.[11]

More than three-fourths of total U.S. production takes place in five Regions; Texas, Alaska, California, Federal Offshore Regions, and Louisiana (Table FE5). All of these Regions except Alaska experienced production declines in 1987. The combined decrease in production for Texas, California, Federal Offshore Regions, and Louisiana amounted to 101

Table FE5. Crude Oil Production by Major Producing Regions
(Million Barrels)

Geographic Region	1985	1986	1987
Texas	869.2	819.6	761.0
Onshore	867.1	817.5	759.2
Offshore (State)	2.1	2.1	1.8
Alaska	666.2	681.3	716.0
Onshore	651.6	665.9	693.2
Offshore (State)	14.6	15.4	22.7
California	394.0	378.1	364.6
Onshore	353.6	343.4	334.2
Offshore (State)	40.5	34.7	30.4
Federal Offshore	373.3	378.9	356.6
PAD District III	343.4	350.3	325.5
PAD District V	29.9	28.6	31.1
Louisiana	184.4	181.8	175.0
Onshore	158.8	155.2	149.9
Offshore (State)	25.6	26.6	25.2
Other States	787.4	728.6	674.2
Total U.S.	3,274.6	3,168.3	3047.4

Note: Regional totals may not equal sums of components due to independent rounding.

Sources: Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table 9 and predecessor reports.

[10] Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216(86), (Washington, DC, October 1987), Table 1.

[11] Oil Daily, *Rising Oil Prices Coaxing Stripper Well Producers*, (Washington, DC, June 25, 1987), pp. 1, 2.

million barrels, nearly 84 percent of the total U.S. decline. The largest drop, of 58.6 million barrels, occurred in Texas where most production takes place in old heavily worked onshore fields that require substantial infill drilling and/or application of enhanced oil recovery techniques to offset natural declines in productivity. Federal Offshore Regions suffered the next largest production decline, a drop of more than 22 million barrels. Here, production dropped because very costly drilling activity has been suppressed by relatively low and unstable crude oil prices. California and Louisiana, like Texas, suffered most of their production losses in older onshore fields where production levels cannot be maintained without the use of infill drilling and enhanced oil recovery techniques.

Of the major producing Regions, only Alaska showed an increase in production levels during 1987. Alaska's oil fields have not yet experienced the loss in natural reservoir pressure that plagues the older producing areas of the lower 48 States. Some Alaskan producing reservoirs are expected to begin to experience declines in productivity within the next few years. In 1987, about 94 percent of Alaskan production came from 2 fields: Prudhoe Bay (1.57 million barrels per day) and Kuparuk River (0.28 million barrels per day). A significant addition to Alaskan production was the new Endicott Field which began deliveries to the Trans-Alaskan Pipeline in October 1987; it produced at a rate of 0.06 million barrels per day in October and about 0.12 million barrels per day in November and December.[12]

Foreign Trade

Imports of petroleum are needed to satisfy the portion of U.S. petroleum demand that cannot be met by domestic production and stock drawdown. U.S. domestic production of liquid hydrocarbons has not increased dramatically since the late 1960's, and the outlook for any marked improvement is very bleak. Domestic production is likely to continue its decline of the past 2 years. Stock drawdown ordinarily has relatively little impact on meeting demand. During 1986 and 1987, low crude oil prices led to reduced domestic petroleum production on the one hand and large increases in petroleum product demand on the other. The inevitable result was a large increase in imports in 1986 and a smaller, but still significant increase in imports in 1987.

Exports make up only a small portion of total U.S. foreign trade in petroleum. U.S. refiners use exports as an outlet for domestically refined products that are in excess of regional needs or unsuitable for domestic use.

Foreign Dependence

When domestic petroleum demand reached its highest level in 1978, the United States was heavily dependent on imported oil. Net imports dropped 46 percent over the next 7 years, as the gap between domestic production and demand narrowed (Figure FE1). The need for imported oil diminished over this period mainly because of a price-induced drop in demand of 17 percent, but also in response to a 3-percent increase in domestic production. Improvement in U.S. self-sufficiency ended with the price crash of 1986 that devastated the exploration and development sector of the U.S. petroleum industry and, at the same time, induced higher consumption of petroleum products. During 1986, indigenous production of liquid hydrocarbons dropped, low petroleum prices led to some stock building, and use of petroleum increased. The result was an increase in U.S. imports of almost 1.2 million barrels per day.

In 1987 the U.S. petroleum supply and demand pattern was similar to that of 1986. Again, indigenous production of liquid hydrocarbons dropped, low petroleum prices led to crude oil stock building, and petroleum use increased. The main difference between 1986 and 1987 was that during 1987, stock building and petroleum demand increased on a smaller scale than in 1986. The result was a smaller increase in petroleum imports during 1987.

U.S. crude oil imports rose 0.50 million barrels per day in 1987 while product imports declined more than 0.04 million barrels per day; this represents a net increase in total petroleum imports of about 0.45 million barrels per day over 1986 levels. Crude oil imports exhibited the largest changes throughout 1987, increasing from 4.4 million barrels per day in January to 5.5 million barrels per day in August before turning downward and ending the year at an average level of 4.6 million barrels per day during December. Product imports remained fairly stable on a month-to-month basis and ended the year at an average 2.1 million barrels per day in December, only 0.2 million barrels per day higher than the January level.

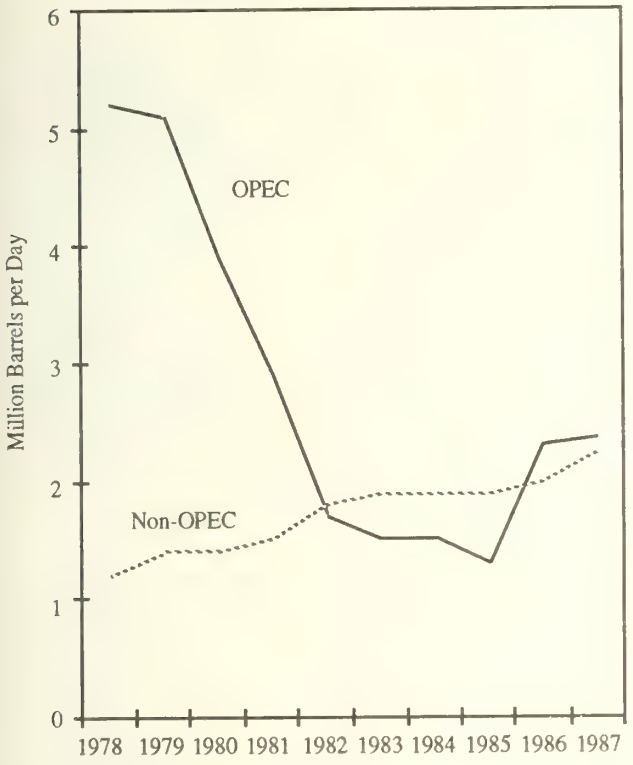
U.S. refiners preferred to meet 1987 demand for petroleum products by direct throughput of imported crude. This is indicated by the large increase in crude oil imports from April through August 1987 and a similar pattern of increasing refinery crude oil inputs along with relatively high refinery utilization rates. Thus the refiners could retain crude oil stocks in an environment of uncertain prices (average f.o.b. crude oil import prices rose from $15.30 per barrel in January to $17.92 per barrel in July and subsequently declined to $15.41 per

[12]Alaskan Oil and Gas Conservation Commission Bulletin, December 1987, p.1.

barrel in December). As peak summer demand passed and refinery activity slowed, lower import volumes were needed and crude oil import levels declined for the remainder of 1987.

As crude oil imports increased, U.S. dependence on OPEC also increased but remained far below the levels of the late 1970's and early 1980's (Figure FE2). OPEC countries

Figure FE2. OPEC Versus Non-OPEC Imports of Crude Oil, 1978-1987



Sources: Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table 15, and predecessor reports.

provided 51 percent of U.S. crude oil imports in 1987 (Table FE6). About 20 percent of U.S. crude oil imports comes from the politically volatile Persian Gulf countries. An additional 30 percent comes from nearby non-OPEC Western Hemisphere nations. Overall, the United States imports crude oil from sources that are widely dispersed geographically; this wide dispersal of suppliers increases the security of U.S. supplies from foreign sources.

Export Trends

U.S. refiners function primarily to meet U.S. petroleum product demand. However, there is often an imbalance between refinery yield and product demand within a refiner's market area, causing the refiner to market excess products either in another domestic region or in foreign areas.[13]

Most petroleum products are exported from the gulf coast (Petroleum Administration for Defense (PAD) District III) and the west coast (PAD District V), where the first and third heaviest concentrations of U.S. refinery capacity, respectively, are situated. Production and export of heavy products is greatest from the west coast because of the large volumes and physical makeup of the very heavy crude oils (averaging 25.21 degrees API gravity) that are processed there. In addition, product specifications (e.g., sulfur levels) may preclude the use of some locally produced fuel oils in parts of that region. Gulf coast exports can be attributed mainly to the large volume of products refined; 46 percent of U.S. refinery production occurred there in 1987.

Total export levels have more than doubled over the past decade but have remained very stable over the past 3 years (Table FE7). Petroleum coke and residual fuel oil continue to be the principal export products. During 1987, about 42 percent of petroleum coke production and 21 percent of residual fuel oil output were exported. Residual fuel oil exports dropped in 1986 because of increased use by domestic electric utilities, as residual fuel oil benefitted from a price advantage over natural gas. In 1987 the residual fuel oil price advantage disappeared. Electric utilities with dual-firing capability switched back to cheaper natural gas. Domestic consumption of residual fuel oil by utilities dropped, and as a consequence, exports of residual fuel oil increased.

Exports of crude oil are restricted to crude oil produced from fields under the State waters of Alaska's Cook Inlet, certain domestically produced crude oil destined for Canada, and shipments to U.S. territories. During 1987, crude oil exports remained at the 1986 level of 0.15 million barrels per day. Nearly 0.13 million barrels per day (87 percent of the total crude oil exported) went to U.S. territories in the Caribbean. Most of the remainder was exported to Canada and a small volume was shipped to the Far East.

Inventory Activity

Petroleum products are produced and delivered to consumers via complex interrelated systems of transportation, storage, processing, and distribution. The storage segment of this interrelated network and the inventories contained therein play a vital role in assuring an uninterrupted and adequate flow of petroleum products to consumers.

The primary concern of inventory managers is to ensure that a minimum operating inventory (MOI) is maintained at

[13] National Petroleum Council, *U.S. Petroleum Refining*, (Washington, DC, October 1986), p. 6.

Table FE6. Gross Imports of Crude Oil by Country of Origin, 1978-1987

(Million Barrels per Day)

Country of Origin	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Arab OPEC										
Algeria	0.63	0.61	0.46	0.26	0.09	0.18	0.19	0.08	0.08	0.11
Iraq	.06	.09	.03	.00	s	.01	.01	.05	.08	.08
Kuwait	.01	.01	.03	.00	s	.01	.02	s	.03	.07
Qatar	.06	.03	.02	.01	.01	.00	s	.00	.01	.00
Saudi Arabia	1.14	1.35	1.25	1.11	.53	.32	.31	.13	.62	.64
United Arab Emirates	.39	.28	.17	.08	.08	.02	.09	.04	.04	.06
Libya	.64	.64	.55	.32	.02	.00	.00	.00	.00	.00
Subtotal Arab OPEC	2.93	3.00	2.50	1.77	.74	.53	.63	.30	.85	.96
Other OPEC										
Ecuador	.04	.03	.02	.04	.03	.06	.05	.06	.06	.02
Gabon	.04	.04	.03	.04	.04	.06	.06	.05	.02	.03
Indonesia	.53	.38	.31	.32	.23	.32	.30	.29	.30	.26
Nigeria	.91	1.07	.84	.61	.51	.30	.21	.28	.44	.53
Venezuela	.18	.29	.16	.15	.16	.16	.25	.31	.42	.49
Iran	.55	.30	.01	.00	.04	.05	.01	.03	.02	.10
Subtotal Other OPEC	2.25	2.11	1.36	1.15	1.00	.94	.88	1.01	1.26	1.43
Total OPEC	5.18	5.11	3.86	2.92	1.73	1.48	1.51	1.31	2.11	2.40
Non-OPEC										
Mexico	.32	.44	.51	.47	.65	.77	.66	.72	.62	.60
Canada	.25	.27	.20	.16	.21	.27	.34	.47	.57	.61
United Kingdom	.17	.20	.17	.37	.44	.37	.38	.28	.32	.30
Trinidad and Tobago	.14	.12	.12	.10	.09	.08	.09	.10	.09	.08
Angola	.01	.04	.04	.05	.04	.07	.09	.10	.10	.18
Norway	.10	.08	.14	.11	.10	.07	.11	.03	.05	.07
Colombia	.00	.00	.00	.00	.00	.00	.00	.00	.06	.11
All Other	.19	.26	.22	.21	.22	.23	.25	.20	.25	.32
Subtotal Non-OPEC	1.17	1.41	1.40	1.47	1.76	1.85	1.91	1.89	2.07	2.27
Total Imports	6.36	6.52	5.26	4.40	3.49	3.33	3.43	3.20	4.18	4.67

s=Less than 0.01 million barrels per day.
Note: Totals may not equal sums of components due to independent rounding.
Source: Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table 15 and predecessor reports.

Table FE7. Exports of Crude Oil and Major Products, 1978-1987

(Million Barrels per Day)

Commodity	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Crude Oil	0.16	0.24	0.29	0.23	0.24	0.16	0.18	0.20	0.15	0.15
Natural Gas Liquids	.02	.02	.02	.04	.07	.07	.05	.06	.04	.04
Distillate Fuel Oil	(s)	(s)	(s)	(s)	.07	.06	.05	.07	.10	.07
Residual Fuel Oil	.01	.01	.03	.12	.21	.19	.19	.20	.15	.19
Petroleum Coke	.11	.15	.14	.14	.16	.20	.19	.19	.24	.21
Other Products	.06	.06	.06	.06	.08	.06	.06	.06	.10	.11
Total Exports	.36	.47	.54	.60	.82	.74	.72	.78	.78	.76

s=Less than 0.01 million barrels per day.
Note: Totals may not equal sums of components due to independent rounding.
Source: Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table 16 and predecessor reports.

critical points throughout the transportation, processing, and distribution network (see box for explanation). The MOI is a fairly stable inventory level that changes slowly in response to major structural changes in the transportation, processing, and distribution systems. Inventory levels above the MOI are much more volatile and change more frequently in response to short-term changes in petroleum demand, financial conditions, and political developments that may threaten the security of petroleum supply flows.

Minimum Operating Inventory

Minimum Operating Inventory is defined as "the level of inventory that is necessary to maintain smooth operations and avoid runouts and below which operating problems and shortages would begin to appear in a defined distribution system." It consists of two parts, namely, unavailable inventory and working inventory.

Unavailable inventory, as the name implies, is totally unavailable for consumption, but is essential for the operation of transportation, processing, and storage facilities. Working inventory and associated storage space is needed to ensure the smooth, continuous day-to-day operation of the distribution system. Specifically, the working inventory and associated storage space are needed to:

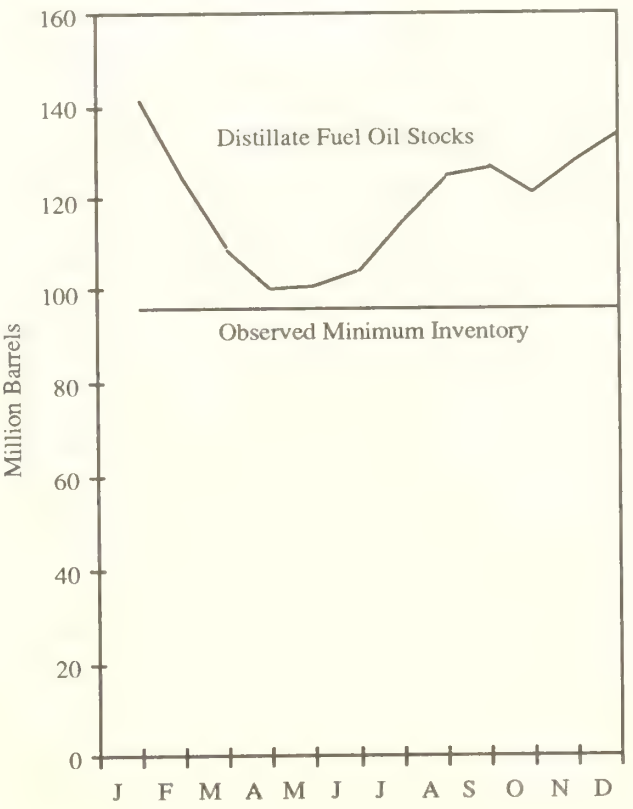
- Balance the irregular, large-volume receipts of crude oil and large irregular shipments of finished products with the relatively slow rate of refinery processing.
- Provide a reserve supply of crude oil and product storage space to ensure continuous refinery operations in the event of transportation disruption to or from refinery.
- Provide storage space for accumulation of unfinished oils in sufficient quantities for blending operations.

Petroleum product stock levels declined to an 18-year low of 705 million barrels by the end of 1985, generally following a long-term decline in petroleum demand which began in 1979 (Table FE2). Industry crude oil stocks remained fairly stable throughout the same period. Ample crude oil stocks afforded refiners an opportunity to meet product demand by using underutilized refining capacity to convert crude oil into needed products. During 1986, product inventories were boosted to 750 million barrels, as refiners operated closer to distillation capacity limits and higher product stocks were considered necessary in view of climbing demand. Higher product stock levels may also have resulted from high-level refinery output in 1986 that may have caused stocking of some excess products. Very low crude oil acquisition costs and low inventory holding costs induced a buildup during 1986 of 10 million barrels in privately owned crude oil inventories to a level of 331 million barrels at the end of 1986.

Inventory activity was fairly stable throughout 1987, generally following normal seasonal changes without any exaggerated swings up or down. Total privately owned industry stocks declined about 14 million barrels. This overall decline masks a larger 32 million-barrel drawdown in product stocks that was offset to some degree by an 18 million-barrel buildup in industry-owned crude oil stocks (Table FE2). By the end of 1987, product stock levels were down to 718 million barrels, and industry-owned crude oil stocks had risen to 349 million barrels.

Product stocks were drawn down most heavily early in 1987 to meet winter demand for heating fuels. Distillate fuel oil stocks were depleted at a normal rate during the winter season (Figure FE3). This was possible, despite relatively low distillate fuel supply from refinery production and imports,

Figure FE3. Distillate Fuel Oil Stock Levels, 1987



Sources: Stock Levels -- Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table S2; Observed Minimum Inventory -- Energy Information Administration, *Weekly Petroleum Status Report*.

because temperatures were warmer than normal. The seasonal buildup of primary distillate stocks (usually from May through November) was much less pronounced than usual in 1987. This may be explained by low heating oil prices that may have induced a buildup in secondary stocks by wholesalers with the expectation of future price increases. The early winter drawdown, coupled with the lower than usual seasonal buildup later in the year, left primary distillate fuel oil stocks nearly 21 million barrels lower by the end of 1987.

Motor gasoline stocks were built up in January 1987 and remained higher than normal through May because of relatively high refinery production levels. When refinery output returned to more normal levels, high consumption levels of motor gasoline were met to a greater extent from primary stock withdrawals. Gradually, motor gasoline stocks declined until they reached a level 5 million barrels lower than they were at the beginning of 1987.

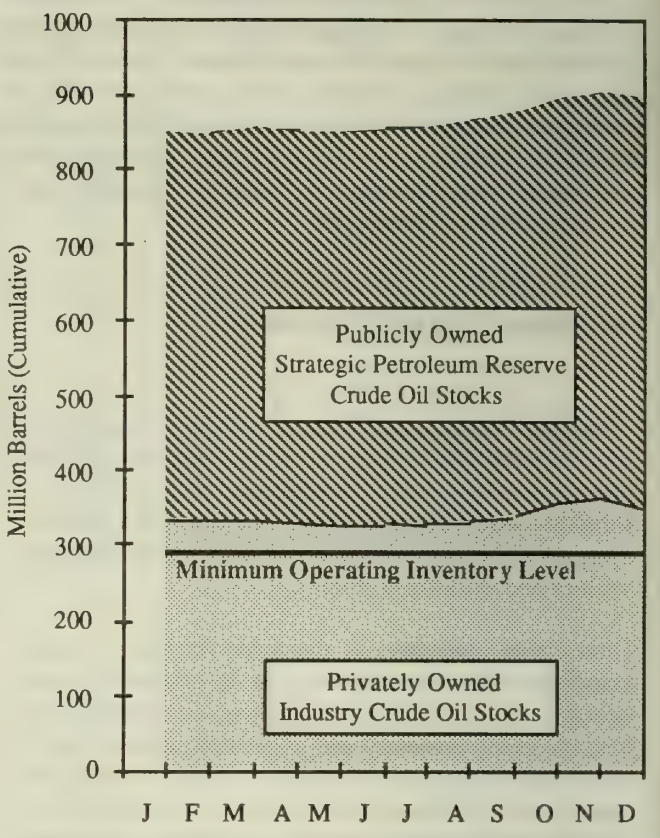
Crude oil stock levels in 1987 remained stable until July when they began rising. This inventory buildup resulted primarily from bargain prices brought on by OPEC overproduction and discount pricing. A contributing factor may have been the rising political tensions in the Persian Gulf that portended a possible supply disruption and higher prices.

Security Afforded by Current Petroleum Inventories

Privately owned industry stocks are currently maintained only slightly above estimated MOI levels or observed minimum levels. These minimum levels are used to gauge the sufficiency of stocks to maintain normal day-to-day operations. They do not provide for reserves to accommodate severe or long-term supply disruptions. Consequently, by themselves, current levels of privately owned industry stocks would afford little protection against a large, international supply disruption such as that suffered during the 1973-1974 Arab oil embargo.

The U.S. Government is filling several reservoirs with crude oil. The stocks in these reservoirs are known collectively as the Strategic Petroleum Reserve (SPR). The SPR in combination with privately owned industry crude oil stocks (Figure FE4) makes the U.S. crude oil emergency supply far more secure. It is the present goal of the U.S. Government to fill the SPR to a level of 750 million barrels. At the end of 1987, the SPR contained 541 million barrels and filling continues.

Figure FE4. Crude Oil Stock Levels, 1987



Sources: Stock Levels -- Energy Information Administration, *Petroleum Supply Annual 1987*, Volume 1, Table S5; Minimum Operating Inventory -- National Petroleum Council, *Petroleum Inventories and Storage Capacity*, June 1984, p. 3.

Refinery Capacity and Utilization

Crude oil distillation capacity is sometimes used as a general measure of the U.S. petroleum industry's ability to satisfy petroleum product demand by use of domestic processing facilities. Over the long term, refinery distillation capacity has generally increased or decreased in parallel with product demand. U.S. distillation capacity ordinarily trails demand, but an abrupt downturn and subsequent steep decline in demand from 1979 through 1983 resulted in excessive crude oil distillation capacity. This situation persisted until 1985 by which time crude oil distillation capacity had been reduced to a level slightly below product demand.

The rate at which distillation capacity is utilized is a measure of the ability of U.S. refiners to meet short-term changes in

petroleum product requirements. The utilization rate can also be used as a measure of efficient refinery operation. The rate of utilization can fluctuate widely because changes in petroleum product demand and the resulting changes in refinery operations occur more rapidly than changes in crude oil distillation capacity.

Crude oil distillation capacity was utilized at an average rate of more than 90 percent during the 30-year period from 1950 through 1979. This sustained high rate of utilization is a general benchmark for efficient levels of distillation capacity use. From 1980 through 1985, when distillation capacity exceeded petroleum product demand, the average distillation capacity utilization rate dropped to a less efficient 73 percent, as a large portion of distillation capacity remained idle.

In 1986, refinery efficiency improved as the annual average distillation capacity utilization rate increased to nearly 83 percent. Crude oil distillation capacity declined to 15.5 million barrels per day and petroleum product demand rose sharply to 16.3 million barrels per day. Consequently, it was necessary to use a larger portion of remaining distillation capacity to meet the higher level of demand.

Utilization of distillation capacity reached 83.1 percent during 1987 as distillation capacity expanded to 15.6 million barrels per day; refinery output increased by 0.1 million barrels per day.

On the basis of the high-level utilization of distillation capacity that prevailed for so many years, it appears that the current U.S. distillation capacity could accommodate a substantial increase in petroleum product demand. However, the National Petroleum Council estimated maximum output of motor gasoline by U.S. refineries by 1988 to average 6.8 million barrels per day.[14] U.S. refineries reached this limit in 1987; therefore, without expansion of U.S. refinery conversion and octane-enhancement processing capability, the spare distillation capacity by itself may not continue to yield enough motor gasoline for U.S. needs.

[14] National Petroleum Council, *U.S. Petroleum Refining*, (Washington, DC, October 1986), pp. 5, 6.

Summary Statistics



Table S1. Crude Oil[1] and Petroleum Products Overview

	Field Production			Stock Withdrawal[2]			Ending Stocks[3]
	Total Domestic[4]	Crude Oil	Natural Gas Plant Liquids	Crude Oil[5]	Petroleum Products	Petroleum Products Supplied	Crude Oil[5] and Petroleum Products
	Thousand Barrels per Day						Million Barrels
1973 Average	**10,975**	**9,208**	**1,738**	**11**	**-146**	**17,308**	**1,008**
1974 Average	**10,498**	**8,774**	**1,688**	**-62**	**-117**	**16,653**	**[8] 1,074**
1975 Average	**10,045**	**8,375**	**1,633**	**[8] -17**	**[8] -15**	**16,322**	**1,133**
1976 Average	**9,774**	**8,132**	**1,603**	**-39**	**96**	**17,461**	**1,112**
1977 Average	**9,913**	**8,245**	**1,618**	**-170**	**-378**	**18,431**	**1,312**
1978 Average	**10,328**	**8,707**	**1,567**	**-78**	**172**	**18,847**	**1,278**
1979 Average	**10,179**	**8,552**	**1,584**	**-148**	**-25**	**18,513**	**1,341**
1980 Average	**10,214**	**8,597**	**1,573**	**-98**	**-42**	**17,056**	**[8] 1,392**
1981 Average	**10,230**	**8,572**	**1,609**	**[8] -290**	**[8] 130**	**16,058**	**1,484**
1982 Average	**10,252**	**8,649**	**1,550**	**-136**	**283**	**15,296**	**[8] 1,430**
1983 Average	**10,299**	**8,688**	**1,559**	**[8] -214**	**[8] 234**	**15,231**	**1,454**
1984 Average	**10,554**	**8,879**	**1,630**	**-199**	**-81**	**15,726**	**1,556**
1985 January	10,412	8,740	1,628	76	1,351	16,109	1,512
February	10,692	9,025	1,623	425	1,347	16,121	1,462
March	10,748	9,095	1,600	-309	403	15,373	1,460
April	10,673	9,043	1,582	-520	56	15,472	1,473
May	10,770	9,132	1,594	-700	-399	15,504	1,508
June	10,664	9,022	1,597	264	-382	15,483	1,511
July	10,550	8,949	1,568	326	-496	15,434	1,516
August	10,485	8,803	1,594	159	568	16,060	1,494
September	10,584	8,954	1,575	-34	-255	15,099	1,502
October	10,637	8,970	1,610	98	124	15,944	1,496
November	10,640	8,902	1,660	-295	-634	15,503	1,523
December	10,777	9,030	1,680	-58	207	16,611	1,519
Average	**10,636**	**8,971**	**1,609**	**-50**	**153**	**15,726**	**--**
1986 January	10,911	9,137	1,711	-383	-151	16,088	1,535
February	10,916	9,173	1,696	-37	804	16,186	1,514
March	10,664	9,013	1,604	-345	1,160	16,276	1,489
April	10,435	8,864	1,523	41	262	15,945	1,479
May	10,440	8,838	1,543	260	-1,109	15,993	1,506
June	10,187	8,623	1,504	3	-1,238	16,049	1,543
July	10,225	8,660	1,507	-541	-422	16,307	1,573
August	9,875	8,374	1,445	242	-551	16,618	1,582
September	9,852	8,328	1,468	-217	-973	15,909	1,618
October	9,954	8,419	1,477	-233	476	16,602	1,610
November	10,061	8,412	1,569	95	-147	16,221	1,612
December	9,985	8,352	1,571	186	443	17,131	1,593
Average	**10,289**	**8,680**	**1,551**	**-78**	**-124**	**16,281**	**--**
1987 January	10,139	8,480	1,582	-166	376	16,684	1,586
February	10,073	8,389	1,618	-22	831	16,908	1,563
March	10,131	8,464	1,598	-125	340	16,165	1,557
April	10,139	8,498	1,590	50	532	16,524	1,539
May	9,977	8,336	1,585	36	-116	16,026	1,542
June	9,906	8,279	1,578	-165	-42	16,830	1,548
July	9,895	8,251	1,582	33	-372	17,113	1,558
August	9,843	8,210	1,571	-345	-737	16,346	1,592
September	9,851	8,205	1,582	-220	-236	16,670	1,606
October	10,037	8,364	1,602	-661	523	16,941	1,610
November	10,112	8,397	1,637	-355	-478	16,343	1,635
December	10,001	8,318	1,621	405	482	17,445	1,607
Average	**10,008**	**8,349**	**1,595**	**-128**	**87**	**16,665**	**--**

[1] Includes lease condensate.
[2] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[3] Stocks are totals as of end of period.
[4] Includes crude oil, natural gas plant liquids, other hydrocarbons, and alcohol.
[5] Includes stocks located in the Strategic Petroleum Reserve.
[6] Includes crude oil for storage in the Strategic Petroleum Reserve.
[7] Net Imports equal Imports minus Exports.
[8] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.

Footnotes continued on following page.

Table S1. Crude Oil[1] and Petroleum Products Overview (continued)

	Imports			Exports			
	Total	Crude Oil[6]	Petroleum Products	Total	Crude Oil	Petroleum Products	Net Imports[7]
	Thousand Barrels per Day						
1973 Average	**6,256**	**3,244**	**3,012**	**231**	**2**	**229**	**6,025**
1974 Average	**6,112**	**3,477**	**2,635**	**221**	**3**	**218**	**5,892**
1975 Average	**6,056**	**4,105**	**1,951**	**209**	**6**	**204**	**5,846**
1976 Average	**7,313**	**5,287**	**2,026**	**223**	**8**	**215**	**7,090**
1977 Average	**8,807**	**6,615**	**2,193**	**243**	**50**	**193**	**8,565**
1978 Average	**8,363**	**6,356**	**2,008**	**362**	**158**	**204**	**8,002**
1979 Average	**8,456**	**6,519**	**1,937**	**472**	**235**	**237**	**7,984**
1980 Average	**6,909**	**5,263**	**1,646**	**544**	**287**	**258**	**6,365**
1981 Average	**5,996**	**4,396**	**1,599**	**595**	**228**	**367**	**5,401**
1982 Average	**5,113**	**3,488**	**1,625**	**815**	**236**	**579**	**4,298**
1983 Average	**5,051**	**3,329**	**1,722**	**739**	**164**	**575**	**4,312**
1984 Average	**5,437**	**3,426**	**2,011**	**722**	**181**	**541**	**4,715**
1985 January	4,415	2,717	1,698	792	144	647	3,623
February	3,913	2,108	1,805	857	221	636	3,056
March	4,673	2,786	1,887	694	189	505	3,979
April	5,316	3,401	1,915	764	236	528	4,553
May	5,776	3,730	2,046	705	250	455	5,071
June	4,929	3,188	1,741	692	226	467	4,237
July	4,950	3,203	1,747	675	154	521	4,274
August	4,718	3,114	1,603	749	241	508	3,969
September	4,970	3,155	1,816	806	188	618	4,164
October	5,121	3,238	1,883	690	123	567	4,431
November	6,116	3,999	2,118	1,036	286	750	5,080
December	5,831	3,696	2,135	925	197	728	4,905
Average	**5,067**	**3,201**	**1,866**	**781**	**204**	**577**	**4,286**
1986 January	5,573	3,472	2,101	859	159	700	4,714
February	4,676	2,968	1,709	876	162	715	3,800
March	4,712	2,988	1,724	732	212	520	3,980
April	5,439	3,684	1,755	850	94	756	4,589
May	6,400	4,250	2,150	724	98	625	5,676
June	6,848	4,635	2,213	642	240	401	6,206
July	6,942	4,726	2,216	685	65	620	6,256
August	7,168	4,859	2,309	868	233	635	6,300
September	7,090	5,031	2,059	714	161	553	6,375
October	6,427	4,419	2,008	831	151	680	5,597
November	6,592	4,615	1,977	821	115	706	5,771
December	6,700	4,412	2,288	820	159	661	5,881
Average	**6,224**	**4,178**	**2,045**	**785**	**154**	**631**	**5,439**
1987 January	6,353	4,385	1,968	703	84	619	5,650
February	5,984	3,866	2,118	977	284	694	5,007
March	5,794	3,779	2,015	720	150	570	5,074
April	5,911	4,132	1,779	870	247	624	5,041
May	6,073	4,340	1,732	666	69	597	5,407
June	6,769	4,807	1,962	669	116	554	6,099
July	7,588	5,295	2,293	680	149	531	6,908
August	7,454	5,510	1,944	664	141	523	6,790
September	7,178	5,110	2,068	795	116	680	6,382
October	7,068	5,142	1,926	646	84	562	6,422
November	7,068	5,013	2,055	737	164	573	6,331
December	6,833	4,640	2,194	1,057	220	838	5,776
Average	**6,678**	**4,674**	**2,004**	**764**	**151**	**613**	**5,914**

Footnotes continued.
(s) = Less than 500 barrels per day.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Figure S1. Petroleum Overview

(Thousand Barrels per Day)

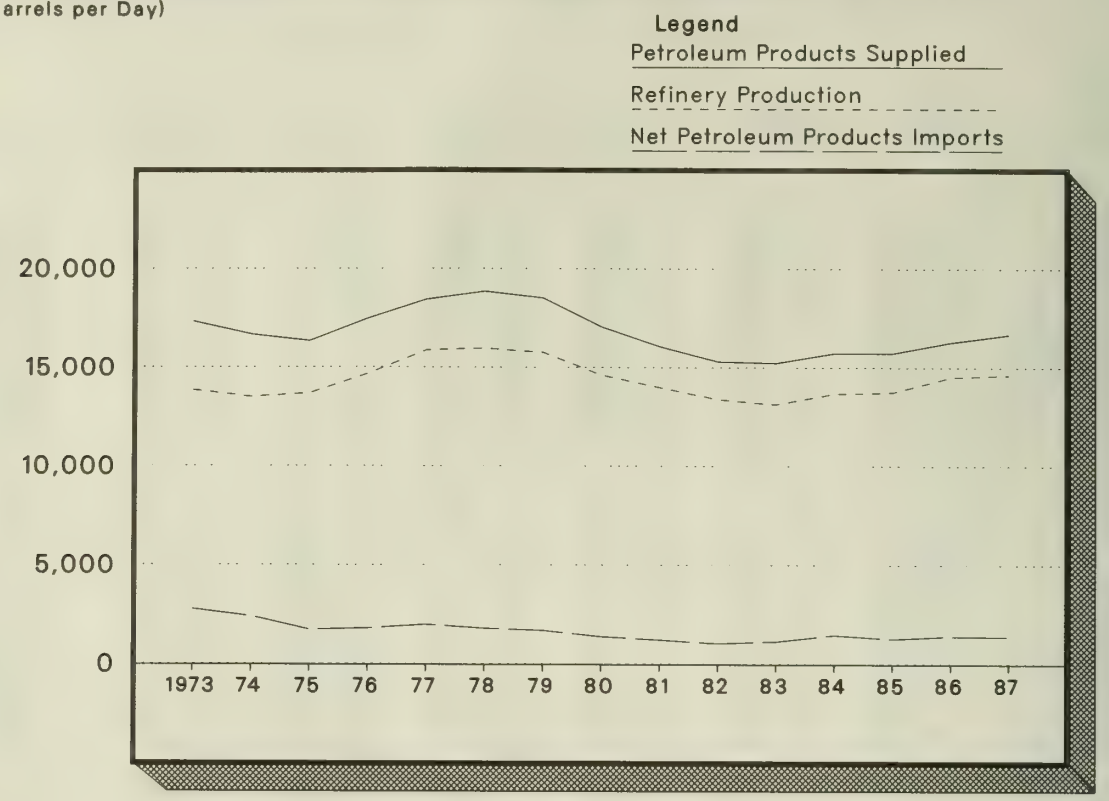


Figure S2. Petroleum Products Supplied

(Thousand Barrels per Day)

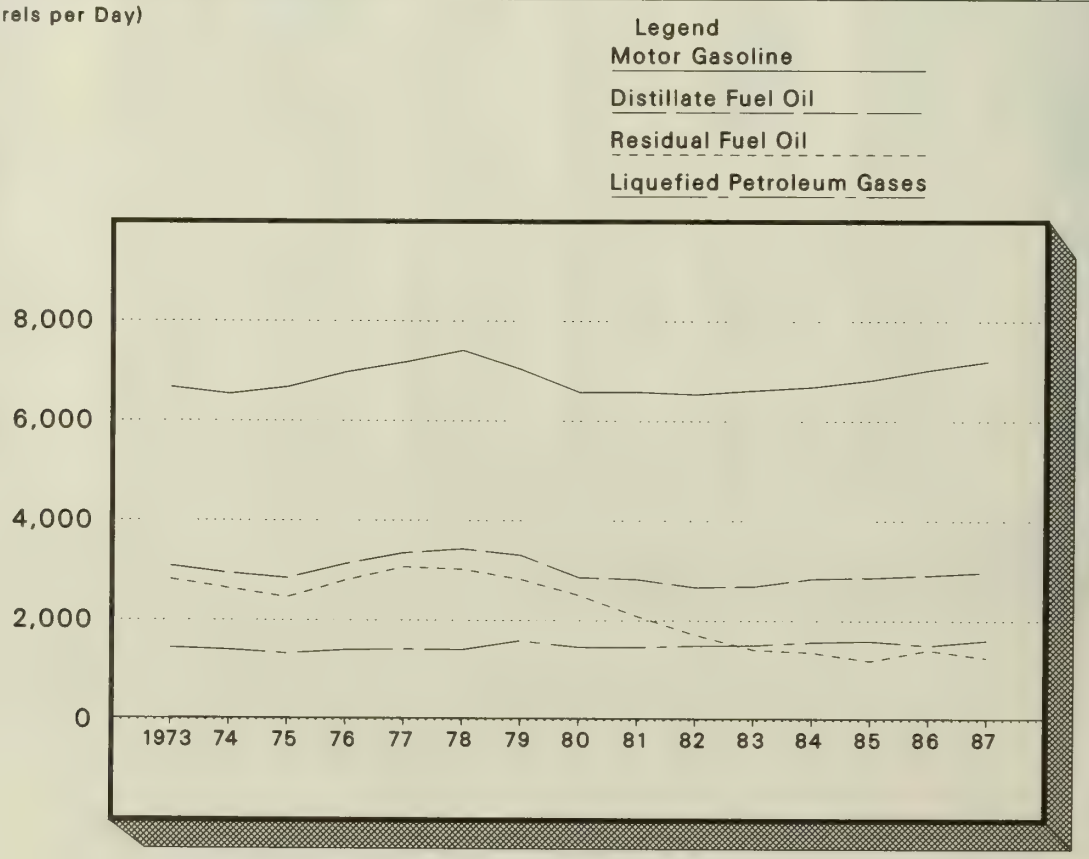


Figure S3. Crude Oil Supply and Disposition

(Thousand Barrels per Day)

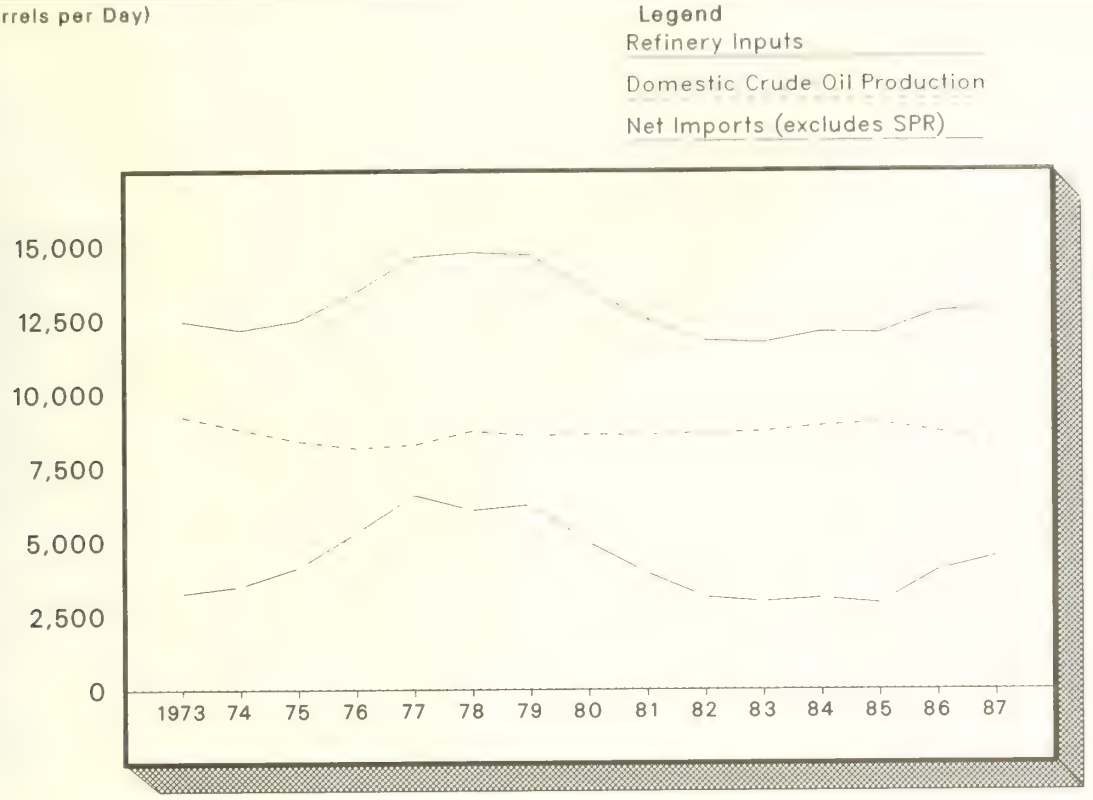


Figure S4. Crude Oil Ending Stocks

(Million Barrels)

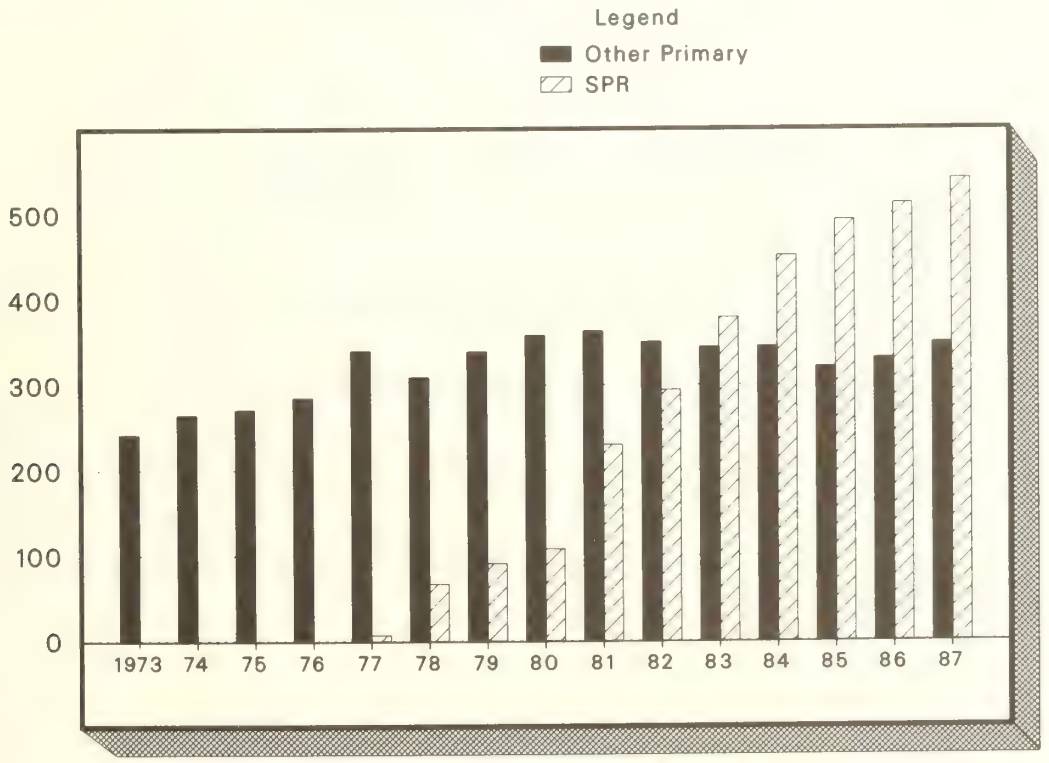


Table S2. Crude Oil[1] Supply and Disposition

	Supply							
	Field Production		Imports			Stock Withdrawal[3]		
	Total Domestic	Alaskan	Total	SPR[4]	Other	SPR[4]	Other	Unaccounted for Crude Oil[5]
	Thousand Barrels per Day							
1973 Average	**9,208**	**198**	**3,244**	**--**	**3,244**	**--**	**11**	**3**
1974 Average	**8,774**	**193**	**3,477**	**--**	**3,477**	**--**	**-62**	**-25**
1975 Average	**8,375**	**191**	**4,105**	**--**	**4,105**	**--**	**-17**	**17**
1976 Average	**8,132**	**173**	**5,287**	**--**	**5,287**	**--**	**-39**	**77**
1977 Average	**8,245**	**464**	**6,615**	**21**	**6,594**	**-20**	**-150**	**-6**
1978 Average	**8,707**	**1,229**	**6,356**	**162**	**6,195**	**-163**	**84**	**-57**
1979 Average	**8,552**	**1,401**	**6,519**	**67**	**6,452**	**-67**	**-81**	**-11**
1980 Average	**8,597**	**1,617**	**5,263**	**44**	**5,219**	**-45**	**-52**	**34**
1981 Average	**8,572**	**1,609**	**4,396**	**256**	**4,141**	**-336**	**[7] 46**	**83**
1982 Average	**8,649**	**1,696**	**3,488**	**165**	**3,323**	**-174**	**38**	**71**
1983 Average	**8,688**	**1,714**	**3,329**	**234**	**3,096**	**-234**	**[7] 20**	**114**
1984 Average	**8,879**	**1,722**	**3,426**	**197**	**3,229**	**-195**	**-4**	**185**
1985 January	8,740	1,647	2,717	223	2,494	-223	298	122
February	9,025	1,877	2,108	98	2,010	-97	522	94
March	9,095	1,866	2,786	48	2,738	-48	-262	59
April	9,043	1,784	3,401	108	3,293	-111	-409	183
May	9,132	1,888	3,730	222	3,508	-225	-475	247
June	9,022	1,871	3,188	155	3,034	-155	419	100
July	8,949	1,809	3,203	226	2,977	-225	551	177
August	8,803	1,795	3,114	116	2,999	-116	274	267
September	8,954	1,867	3,155	71	3,084	-71	37	93
October	8,970	1,850	3,238	20	3,218	-20	119	81
November	8,902	1,804	3,999	53	3,946	-53	-242	150
December	9,030	1,852	3,696	74	3,621	-60	2	164
Average	**8,971**	**1,825**	**3,201**	**118**	**3,083**	**-117**	**67**	**145**
1986 January	9,137	1,870	3,472	51	3,420	-35	-348	364
February	9,173	1,907	2,968	24	2,944	-35	-2	32
March	9,013	1,860	2,988	59	2,929	-49	-296	259
April	8,864	1,836	3,684	63	3,621	-63	104	70
May	8,838	1,927	4,250	36	4,215	-35	295	79
June	8,623	1,887	4,635	64	4,571	-64	66	292
July	8,660	1,903	4,726	52	4,674	-52	-489	189
August	8,374	1,811	4,859	51	4,809	-51	293	93
September	8,328	1,782	5,031	47	4,984	-47	-170	161
October	8,419	1,927	4,419	37	4,382	-36	-197	223
November	8,412	1,883	4,615	45	4,570	-65	160	-136
December	8,352	1,807	4,412	48	4,365	-68	254	28
Average	**8,680**	**1,867**	**4,178**	**48**	**4,130**	**-50**	**-28**	**139**
1987 January	8,480	2,019	4,385	92	4,293	-108	-58	-5
February	8,389	1,853	3,866	44	3,822	-64	42	382
March	8,464	1,968	3,779	95	3,684	-106	-19	151
April	8,498	1,990	4,132	57	4,076	-67	116	120
May	8,336	1,979	4,340	92	4,248	-101	137	51
June	8,279	1,930	4,807	64	4,743	-69	-97	434
July	8,251	1,910	5,295	76	5,218	-91	124	32
August	8,210	1,908	5,510	63	5,447	-63	-281	177
September	8,205	1,874	5,110	64	5,047	-64	-157	217
October	8,364	1,986	5,142	57	5,085	-57	-604	-3
November	8,397	2,068	5,013	97	4,916	-97	-258	115
December	8,318	2,043	4,640	68	4,572	-68	472	101
Average	**8,349**	**1,962**	**4,674**	**73**	**4,601**	**-80**	**-49**	**145**

[1] Includes lease condensate.
[2] Stocks are totals as of end of period.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] Strategic Petroleum Reserve.
[5] Unaccounted for crude oil is a balancing item.
[6] Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.
[7] Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 8 and 9.

Footnotes continued on following page.

Table S2. Crude Oil[1] Supply and Disposition (continued)

	Supply	Disposition				Ending Stocks[2]		
	Crude Used Directly[6]	Crude Losses	Refinery Inputs	Exports	Products Supplied[6]	Total Crude Oil	SPR[4]	Other Primary
	Thousand Barrels per Day					Million Barrels		
1973 Average	**-19**	**13**	**12,431**	**2**	**--**	**242**	**--**	**242**
1974 Average	**-15**	**13**	**12,133**	**3**	**--**	**265**	**--**	**265**
1975 Average	**-17**	**13**	**12,442**	**6**	**--**	**271**	**--**	**271**
1976 Average	**-18**	**15**	**13,416**	**8**	**--**	**285**	**--**	**285**
1977 Average	**-14**	**16**	**14,602**	**50**	**--**	**348**	**7**	**340**
1978 Average	**-14**	**16**	**14,739**	**158**	**--**	**376**	**67**	**309**
1979 Average	**-13**	**16**	**14,648**	**235**	**--**	**430**	**91**	**339**
1980 Average	**-13**	**15**	**13,481**	**287**	**--**	**[7] 466**	**108**	**[7] 358**
1981 Average	**-58**	**5**	**12,470**	**228**	**--**	**594**	**230**	**363**
1982 Average	**-59**	**3**	**11,774**	**236**	**--**	**[7] 644**	**294**	**350**
1983 Average	**--**	**2**	**11,685**	**164**	**66**	**723**	**379**	**344**
1984 Average	**--**	**2**	**12,044**	**181**	**64**	**796**	**451**	**345**
1985 January	--	1	11,445	144	63	794	457	336
February	--	1	11,367	221	63	782	460	322
March	--	1	11,372	189	69	791	462	330
April	--	1	11,805	236	67	807	465	342
May	--	1	12,094	250	65	829	472	357
June	--	1	12,292	226	56	821	477	344
July	--	1	12,445	154	55	811	484	327
August	--	(s)	12,045	241	55	806	487	318
September	--	(s)	11,925	188	55	807	489	317
October	--	(s)	12,209	123	55	804	490	314
November	--	(s)	12,410	286	59	812	491	321
December	--	1	12,570	197	63	814	493	321
Average	**--**	**1**	**12,002**	**204**	**60**	**--**	**--**	**--**
1986 January	--	1	12,374	159	57	826	494	332
February	--	(s)	11,918	162	56	827	495	332
March	--	(s)	11,652	212	52	838	497	341
April	--	(s)	12,512	94	51	837	499	338
May	--	(s)	13,279	98	49	829	500	329
June	--	(s)	13,261	240	52	828	502	327
July	--	(s)	12,917	65	51	845	503	342
August	--	(s)	13,287	233	48	838	505	333
September	--	(s)	13,097	161	45	844	506	338
October	--	(s)	12,636	151	41	851	508	344
November	--	(s)	12,831	115	41	849	509	339
December	--	(s)	12,777	159	42	843	512	331
Average	**--**	**(s)**	**12,716**	**154**	**49**	**--**	**--**	**--**
1987 January	--	1	12,570	84	41	848	515	333
February	--	(s)	12,290	284	41	849	517	332
March	--	1	12,081	150	39	852	520	332
April	--	(s)	12,512	247	41	851	522	329
May	--	(s)	12,653	69	42	850	525	325
June	--	(s)	13,202	116	36	855	527	328
July	--	(s)	13,430	149	32	854	530	324
August	--	(s)	13,380	141	31	864	532	332
September	--	(s)	13,168	116	28	871	534	337
October	--	(s)	12,733	84	25	892	536	356
November	--	(s)	12,981	164	25	902	539	364
December	--	(s)	13,212	220	31	890	541	349
Average	**--**	**(s)**	**12,854**	**151**	**34**	**--**	**--**	**--**

Footnotes continued.
(s) = Less than 500 barrels per day.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Table S3. Crude Oil and Petroleum Product Imports

	Imports from OPEC Sources[1]										
	Algeria	Libya	Saudi Arabia	United Arab Emirates	Indonesia	Iran	Nigeria	Venezuela	Other OPEC[2]	Total OPEC[3]	Total Arab OPEC[4]
	Thousand Barrels per Day										
1973 Average	**136**	**164**	**486**	**71**	**213**	**223**	**459**	**1,135**	**106**	**2,993**	**915**
1974 Average	**190**	**4**	**461**	**74**	**300**	**469**	**713**	**979**	**88**	**3,280**	**752**
1975 Average	**282**	**232**	**715**	**117**	**390**	**280**	**762**	**702**	**122**	**3,601**	**1,383**
1976 Average	**432**	**453**	**1,230**	**254**	**539**	**298**	**1,025**	**700**	**134**	**5,066**	**2,424**
1977 Average	**559**	**723**	**1,380**	**335**	**541**	**535**	**1,143**	**690**	**287**	**6,193**	**3,185**
1978 Average	**649**	**654**	**1,144**	**385**	**573**	**555**	**919**	**645**	**226**	**5,751**	**2,963**
1979 Average	**636**	**658**	**1,356**	**281**	**420**	**304**	**1,080**	**690**	**212**	**5,637**	**3,056**
1980 Average	**488**	**554**	**1,261**	**172**	**348**	**9**	**857**	**481**	**130**	**4,300**	**2,551**
1981 Average	**311**	**319**	**1,129**	**81**	**366**	**0**	**620**	**406**	**90**	**3,323**	**1,848**
1982 Average	**170**	**26**	**552**	**92**	**248**	**35**	**514**	**412**	**97**	**2,146**	**854**
1983 Average	**240**	**0**	**337**	**30**	**338**	**48**	**302**	**422**	**144**	**1,862**	**632**
1984 Average	**323**	**1**	**325**	**117**	**343**	**10**	**216**	**548**	**166**	**2,049**	**819**
1985 January	112	0	106	60	296	0	262	481	89	1,405	305
February	174	0	108	0	232	0	119	524	64	1,220	307
March	247	0	85	52	283	0	164	588	84	1,505	385
April	286	8	201	70	313	0	280	684	86	1,928	575
May	255	0	41	128	265	0	381	552	354	1,976	635
June	178	5	26	81	438	0	357	452	152	1,690	378
July	125	10	44	13	390	42	381	573	248	1,825	286
August	135	0	46	17	377	100	207	568	289	1,740	280
September	147	0	27	57	206	43	285	808	230	1,802	302
October	177	20	251	17	277	41	305	676	196	1,958	520
November	164	11	430	34	356	99	325	727	294	2,440	752
December	244	0	642	15	324	0	432	625	149	2,430	925
Average	**187**	**4**	**168**	**45**	**314**	**27**	**293**	**605**	**187**	**1,830**	**472**
1986 January	215	0	664	11	290	0	278	629	210	2,298	976
February	157	0	574	0	290	(s)	204	518	64	1,807	757
March	260	0	482	0	161	0	328	797	117	2,145	798
April	275	0	698	21	292	0	319	831	139	2,576	1,058
May	193	0	574	40	314	40	398	899	290	2,749	966
June	319	0	662	83	353	0	382	772	439	3,010	1,377
July	310	0	738	59	532	66	542	730	330	3,307	1,357
August	363	0	680	37	274	93	606	916	378	3,346	1,339
September	245	0	810	62	341	31	684	856	356	3,383	1,388
October	305	0	697	147	388	0	530	863	346	3,276	1,387
November	311	0	868	34	335	0	483	843	214	3,088	1,295
December	291	0	769	30	251	0	511	841	284	2,976	1,223
Average	**271**	**0**	**685**	**44**	**318**	**19**	**440**	**793**	**265**	**2,837**	**1,162**
1987 January	156	0	875	15	254	0	346	899	218	2,764	1,184
February	307	0	776	54	418	30	256	791	155	2,785	1,222
March	334	0	430	0	317	73	312	702	135	2,305	843
April	323	0	463	62	236	47	512	710	77	2,430	866
May	196	0	499	26	297	75	550	913	119	2,675	775
June	247	0	782	45	261	165	546	808	268	3,122	1,275
July	347	0	756	42	349	237	792	854	157	3,533	1,264
August	250	0	961	103	312	208	732	831	351	3,748	1,611
September	378	0	902	146	242	193	615	821	263	3,560	1,640
October	274	0	1,051	111	305	86	518	829	401	3,576	1,713
November	395	0	637	97	219	41	607	771	402	3,169	1,477
December	339	0	876	31	216	23	613	717	220	3,033	1,415
Average	**295**	**0**	**751**	**61**	**285**	**98**	**535**	**804**	**231**	**3,060**	**1,274**

[1] Excludes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries(OPEC), primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.
[2] The other members of OPEC are Ecuador, Gabon, Iraq, Kuwait, and Qatar.
[3] "Total OPEC" consists of Ecuador, Gabon, Indonesia, Iran, Nigeria, and Venezuela, as well as the Arab members.
[4] The Arab members of OPEC are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.
Footnotes continued on following page.

Table S3. Crude Oil and Petroleum Product Imports (continued)

	Imports from Non-OPEC Sources [5]										
	Bahamas	Canada	Mexico	Netherlands Antilles	Trinidad and Tobago	United Kingdom	Puerto Rico	Virgin Islands	Other Non-OPEC	Total Non-OPEC	Total Imports
	Thousand Barrels per day										
1973 Average	**174**	**1,325**	**16**	**585**	**255**	**15**	**99**	**329**	**465**	**3,263**	**6,256**
1974 Average	**164**	**1,070**	**8**	**511**	**251**	**8**	**90**	**391**	**340**	**2,832**	**6,112**
1975 Average	**152**	**846**	**71**	**332**	**242**	**14**	**90**	**406**	**300**	**2,454**	**6,056**
1976 Average	**118**	**599**	**87**	**275**	**274**	**31**	**88**	**422**	**353**	**2,247**	**7,313**
1977 Average	**171**	**517**	**179**	**211**	**289**	**126**	**105**	**466**	**550**	**2,614**	**8,807**
1978 Average	**160**	**467**	**318**	**229**	**253**	**180**	**94**	**429**	**484**	**2,613**	**8,363**
1979 Average	**147**	**538**	**439**	**231**	**190**	**202**	**92**	**431**	**548**	**2,819**	**8,456**
1980 Average	**78**	**455**	**533**	**225**	**176**	**176**	**88**	**388**	**491**	**2,609**	**6,909**
1981 Average	**74**	**447**	**522**	**197**	**133**	**375**	**62**	**327**	**534**	**2,672**	**5,996**
1982 Average	**65**	**482**	**685**	**175**	**112**	**456**	**50**	**316**	**627**	**2,968**	**5,113**
1983 Average	**125**	**547**	**826**	**189**	**96**	**382**	**40**	**282**	**701**	**3,189**	**5,051**
1984 Average	**88**	**630**	**748**	**188**	**94**	**402**	**42**	**294**	**902**	**3,388**	**5,437**
1985 January	92	616	767	132	113	345	32	235	678	3,010	4,415
February	37	730	652	52	119	151	50	213	689	2,693	3,913
March	36	909	923	49	115	133	29	235	739	3,168	4,673
April	4	890	950	18	107	213	42	205	959	3,388	5,316
May	74	823	929	28	126	419	37	252	1,112	3,800	5,776
June	24	720	726	30	92	481	23	271	872	3,240	4,929
July	38	610	814	36	133	324	14	236	918	3,124	4,950
August	11	664	859	18	121	336	28	241	699	2,978	4,718
September	47	783	852	40	129	303	26	173	815	3,169	4,970
October	35	825	745	5	99	352	21	260	821	3,163	5,121
November	22	766	887	30	100	376	26	325	1,143	3,676	6,116
December	54	902	676	44	96	273	12	314	1,029	3,400	5,831
Average	**40**	**770**	**816**	**40**	**113**	**310**	**28**	**247**	**873**	**3,237**	**5,067**
1986 January	62	823	681	58	108	333	21	326	862	3,275	5,573
February	33	690	557	11	85	218	18	309	949	2,870	4,676
March	18	750	616	27	79	178	25	186	688	2,567	4,712
April	34	798	694	13	111	188	23	209	793	2,863	5,439
May	32	881	743	37	130	365	27	237	1,199	3,651	6,400
June	29	753	884	17	167	569	30	233	1,157	3,838	6,848
July	44	763	850	25	131	353	29	237	1,202	3,634	6,942
August	39	801	738	12	133	584	7	214	1,294	3,822	7,168
September	15	801	615	17	162	437	23	291	1,345	3,706	7,090
October	38	842	680	26	112	173	21	215	1,043	3,151	6,427
November	39	960	565	53	129	448	21	179	1,111	3,504	6,592
December	57	809	746	7	148	351	12	291	1,304	3,724	6,700
Average	**37**	**807**	**699**	**25**	**125**	**350**	**21**	**244**	**1,080**	**3,387**	**6,224**
1987 January	59	799	689	29	100	384	33	327	1,170	3,589	6,353
February	56	783	692	23	127	260	24	296	938	3,199	5,984
March	43	738	721	14	124	322	17	247	1,262	3,489	5,794
April	43	818	679	12	123	485	24	259	1,037	3,481	5,911
May	31	884	541	33	117	392	21	214	1,164	3,398	6,073
June	22	912	664	13	114	377	21	281	1,242	3,646	6,769
July	46	901	680	71	98	354	17	288	1,598	4,055	7,588
August	27	841	577	51	100	289	20	274	1,526	3,706	7,454
September	48	846	705	42	105	259	25	271	1,318	3,618	7,178
October	26	938	697	16	88	321	17	250	1,138	3,492	7,068
November	31	827	627	14	111	456	15	235	1,585	3,899	7,068
December	10	883	591	24	73	324	23	327	1,543	3,800	6,833
Average	**37**	**848**	**655**	**29**	**106**	**352**	**21**	**272**	**1,296**	**3,617**	**6,678**

Footnotes continued.

[5] Includes petroleum imported into the United States indirectly from members of OPEC, primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.

(s) = Less than 500 barrels per day.

Notes: Beginning in October 1977, Strategic Petroleum Reserve imports are included.
Geographic coverage is the 50 States and the District of Columbia
Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Figure S5. Finished Motor Gasoline Supply and Disposition

(Thousand Barrels per Day)

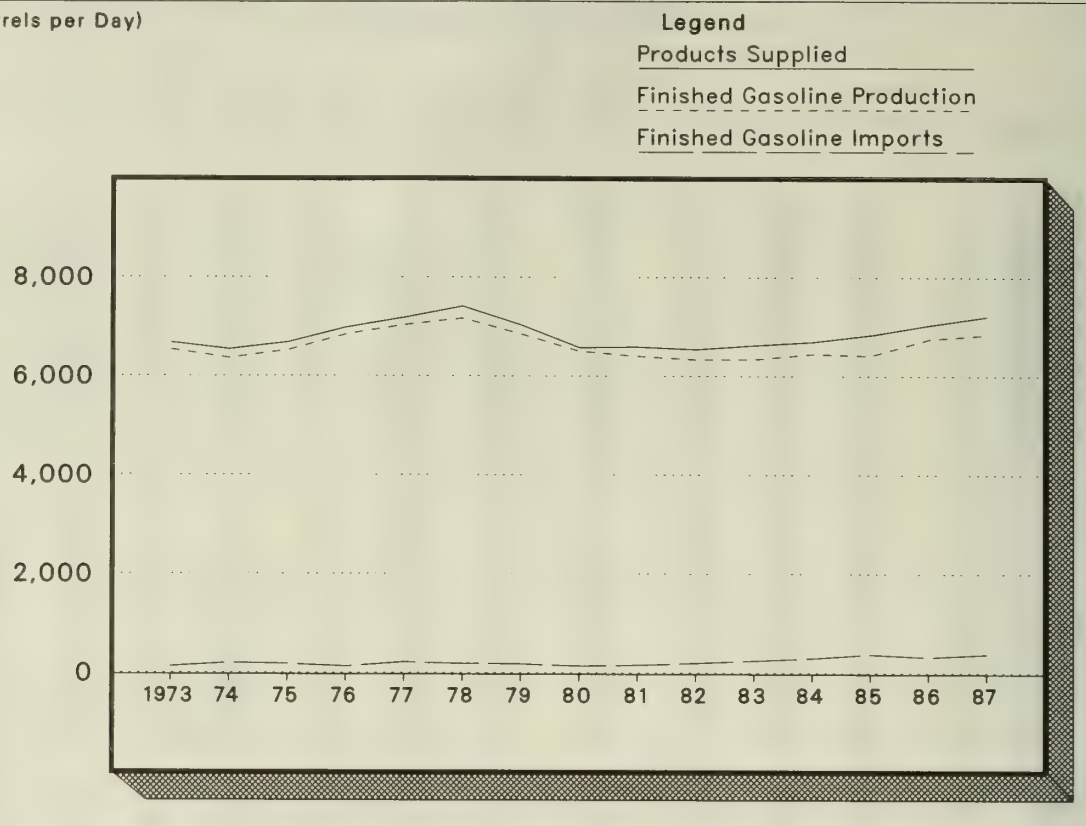
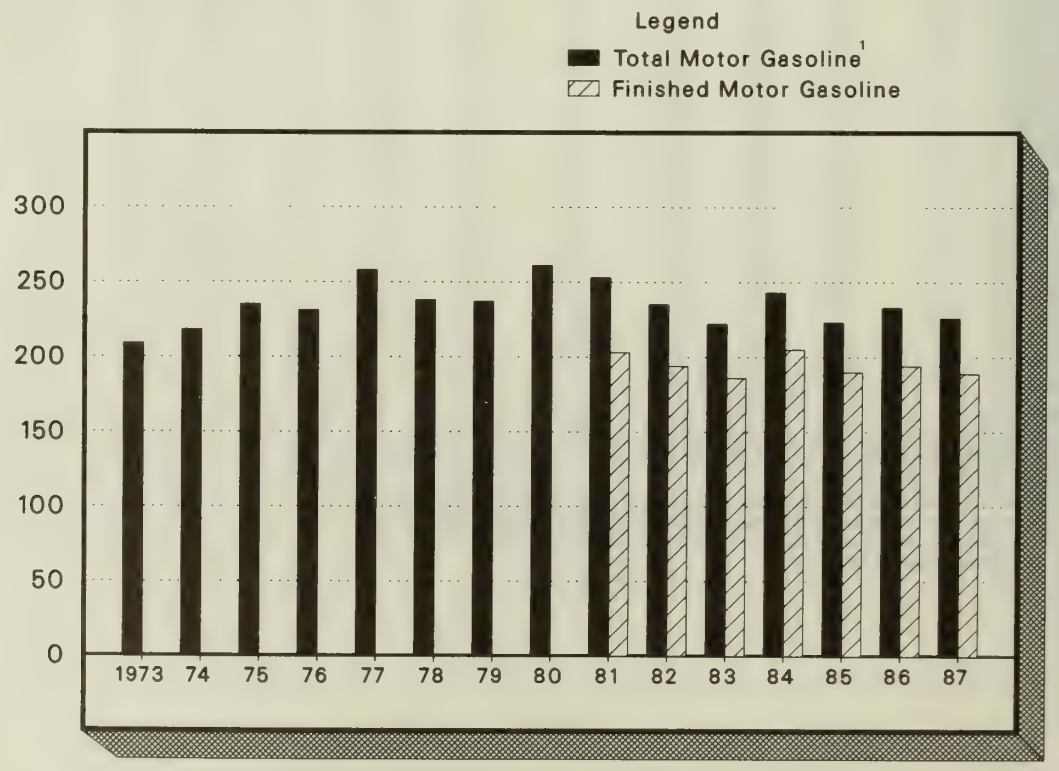


Figure S6. Motor Gasoline Ending Stocks

(Million Barrels)



[1]Includes finished motor gasoline and gasoline blending components.

Table S4. Finished Motor Gasoline Supply and Disposition

	Supply			Disposition				Ending Stocks[1]	
					Products Supplied				
	Total Production	Imports[2]	Stock Withdrawal[2] [3]	Exports	Total[4]	Unleaded	Unleaded	Total Motor Gasoline[5]	Finished Motor Gasoline
	Thousand Barrels per Day						Percent of Total	Million Barrels	
1973 Average	**6,535**	**134**	**9**	**4**	**6,674**	**--**	**--**	**209**	**--**
1974 Average	**6,360**	**204**	**-24**	**2**	**6,537**	**--**	**--**	**[6] 218**	**--**
1975 Average	**6,520**	**184**	**[6] -28**	**2**	**6,675**	**--**	**--**	**235**	**--**
1976 Average	**6,841**	**131**	**10**	**3**	**6,978**	**--**	**--**	**231**	**--**
1977 Average	**7,033**	**217**	**-72**	**2**	**7,177**	**1,976**	**27.5**	**258**	**--**
1978 Average	**7,169**	**190**	**54**	**1**	**7,412**	**2,521**	**34.0**	**238**	**--**
1979 Average	**6,852**	**181**	**2**	**(s)**	**7,034**	**2,798**	**39.8**	**237**	**--**
1980 Average	**6,506**	**140**	**-66**	**1**	**6,579**	**3,067**	**46.6**	**[6] 261**	**--**
1981 Average[7]	**6,405**	**157**	**[6] 28**	**2**	**6,588**	**3,264**	**49.5**	**253**	**--**
1982 Average	**6,338**	**197**	**25**	**20**	**6,539**	**3,409**	**52.1**	**[6] 235**	**--**
1983 Average	**6,340**	**247**	**[6] 45**	**10**	**6,622**	**3,647**	**55.1**	**222**	**186**
1984 Average	**6,453**	**299**	**-54**	**6**	**6,693**	**3,987**	**59.6**	**243**	**205**
1985 January	5,926	204	220	2	6,348	4,016	63.3	234	198
February	5,914	348	327	2	6,587	4,126	62.6	225	189
March	6,072	481	115	3	6,664	4,202	63.1	219	186
April	6,344	494	128	11	6,956	4,396	63.2	215	182
May	6,564	480	23	8	7,060	4,445	63.0	215	181
June	6,780	396	-172	7	6,997	4,482	64.1	218	186
July	6,788	426	-188	18	7,008	4,545	64.8	226	192
August	6,814	305	127	4	7,242	4,755	65.7	222	188
September	6,299	314	22	6	6,629	4,357	65.7	223	187
October	6,356	324	235	19	6,897	4,485	65.0	214	180
November	6,480	410	-104	17	6,770	4,477	66.1	217	183
December	6,651	386	-227	18	6,792	4,561	67.2	223	190
Average	**6,419**	**381**	**41**	**10**	**6,831**	**4,406**	**64.5**	**--**	**--**
1986 January	6,522	332	-347	6	6,502	4,404	67 7	238	201
February	6,302	334	-156	11	6,469	4,365	67.5	244	205
March	6,061	224	691	21	6,955	4,678	67.3	219	184
April	6,498	291	338	23	7,105	4,783	67.3	207	174
May	7,095	471	-450	9	7,106	4,729	66.5	221	188
June	7,101	392	-265	18	7,209	4,914	68.2	230	196
July	6,956	337	189	47	7,436	5,182	69.7	224	190
August	7,092	303	83	43	7,435	5,138	69.1	222	187
September	6,891	303	-289	40	6,864	4,813	70.1	234	196
October	6,616	322	372	61	7,250	5,086	70.1	222	184
November	6,895	280	-200	96	6,879	4,918	71.5	229	190
December	6,970	320	-122	24	7,143	5,193	72.7	233	194
Average	**6,752**	**326**	**-11**	**33**	**7,034**	**4,854**	**69.0**	**--**	**--**
1987 January	6,714	393	-528	44	6,535	4,822	73.8	251	211
February	6,365	309	144	22	6,796	5,068	74.6	250	207
March	6,569	364	51	20	6,964	5,193	74.6	248	205
April	6,850	374	133	42	7,314	5,405	73.9	242	201
May	6,991	354	164	48	7,460	5,569	74.7	235	196
June	7,089	385	111	46	7,539	5,678	75.3	230	193
July	7,043	452	119	33	7,581	5,740	75.7	226	189
August	6,933	396	29	19	7,338	5,656	77.1	226	188
September	6,921	421	-107	30	7,205	5,536	76.8	230	191
October	6,668	356	302	21	7,305	5,636	77.1	218	182
November	6,907	484	-208	32	7,151	5,589	78.2	225	188
December	7,015	320	-24	59	7,251	5,715	78.8	226	189
Average	**6,841**	**384**	**15**	**35**	**7,206**	**5,470**	**75.9**	**--**	**--**

[1] Stocks are totals as of end of period.
[2] Beginning in 1981, excludes blending components.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] Includes gasohol.
[5] Includes motor gasoline blending components.
[6] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[7] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.
(s) = Less than 500 barrels per day.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Figure S7. Distillate Fuel Oil Supply and Disposition

(Thousand Barrels per Day)

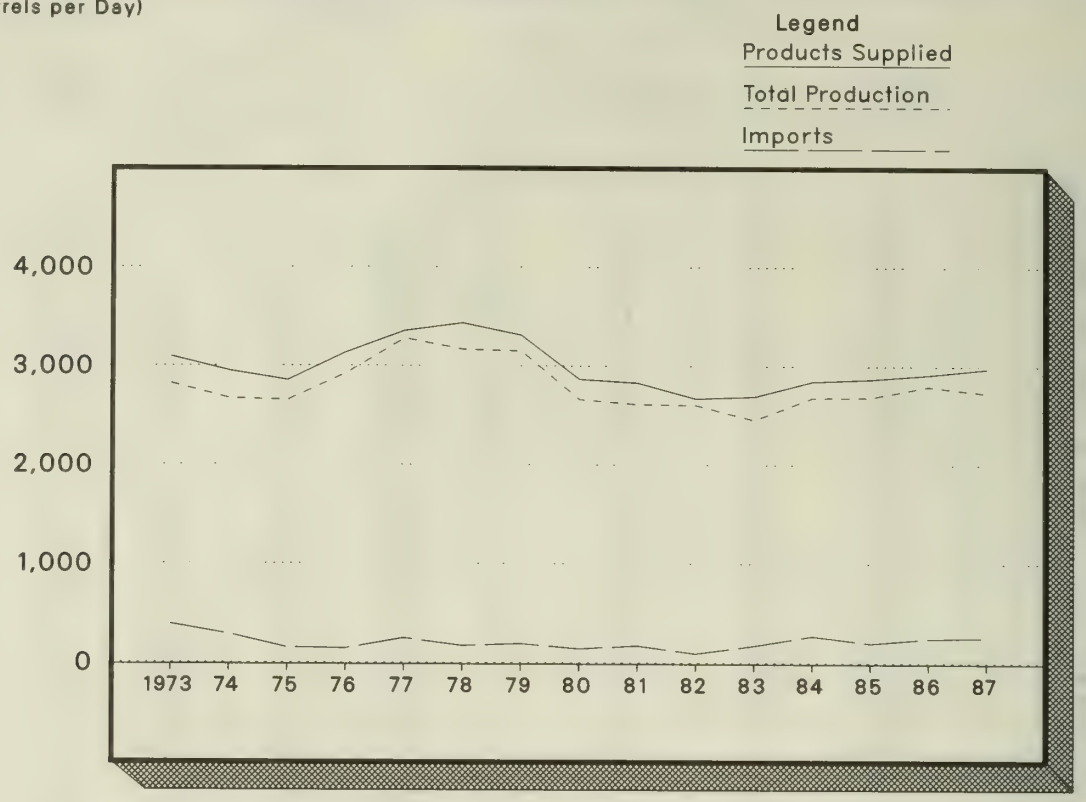


Figure S8. Distillate Fuel Oil Ending Stocks

(Million Barrels)

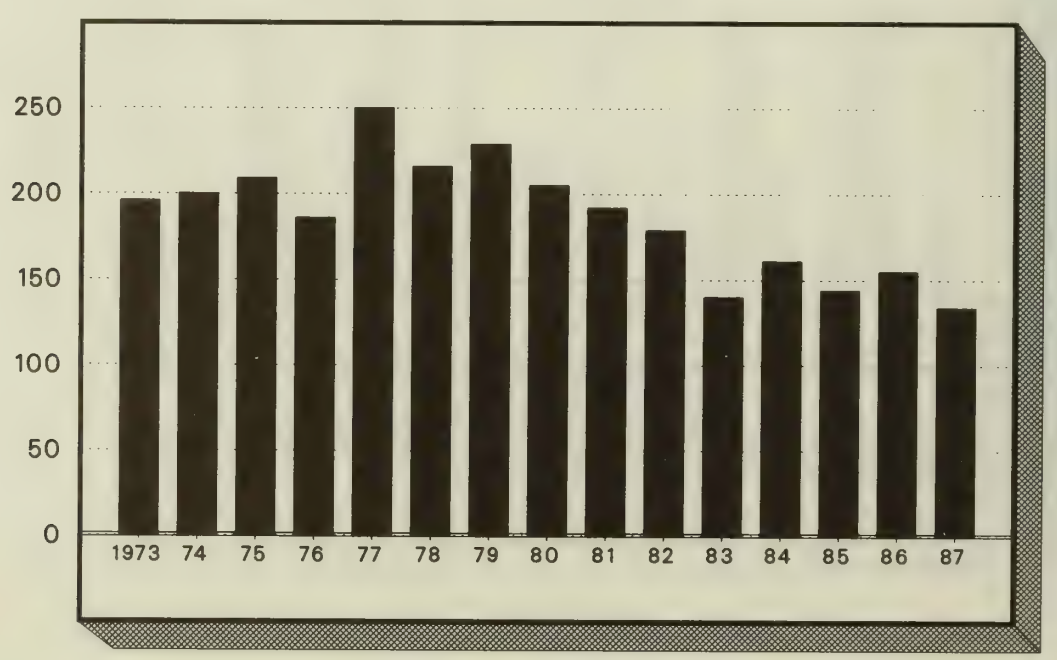


Table S5. Distillate Fuel Oil Supply and Disposition

	Supply				Disposition		Ending Stocks[1]
	Total Production	Imports	Stock Withdrawal[2]	Crude Used Directly[3]	Exports	Products Supplied[3]	
	Thousand Barrels per Day						Million Barrels
1973 Average	**2,822**	**392**	**-115**	**2**	**9**	**3,092**	**196**
1974 Average	**2,669**	**289**	**-9**	**2**	**2**	**2,948**	**[4] 200**
1975 Average	**2,654**	**155**	**[4] 40**	**2**	**1**	**2,851**	**209**
1976 Average	**2,924**	**146**	**62**	**1**	**1**	**3,133**	**186**
1977 Average	**3,278**	**250**	**-176**	**1**	**1**	**3,352**	**250**
1978 Average	**3,167**	**173**	**93**	**1**	**3**	**3,432**	**216**
1979 Average	**3,153**	**193**	**-34**	**1**	**3**	**3,311**	**229**
1980 Average	**2,662**	**142**	**64**	**1**	**3**	**2,866**	**[4] 205**
1981 Average[5]	**2,613**	**173**	**[4] 38**	**10**	**5**	**2,829**	**192**
1982 Average	**2,606**	**93**	**35**	**10**	**74**	**2,671**	**[4] 179**
1983 Average	**2,456**	**174**	**[4] 124**	**--**	**64**	**2,690**	**140**
1984 Average	**2,681**	**272**	**-57**	**--**	**51**	**2,845**	**161**
1985 January	2,631	272	603	--	41	3,465	142
February	2,504	143	748	--	64	3,330	121
March	2,267	156	714	--	44	3,093	99
April	2,490	253	82	--	27	2,798	97
May	2,686	197	-245	--	31	2,607	104
June	2,647	152	-175	--	30	2,594	110
July	2,646	95	-193	--	112	2,436	116
August	2,592	81	62	--	100	2,636	114
September	2,594	222	-120	--	121	2,575	117
October	2,902	262	-195	--	67	2,901	123
November	3,102	280	-543	--	92	2,747	140
December	3,176	287	-128	--	81	3,254	144
Average	**2,687**	**200**	**48**	**--**	**67**	**2,868**	**--**
1986 January	2,899	325	232	--	126	3,330	136
February	2,563	169	860	--	176	3,416	112
March	2,643	217	438	--	131	3,168	99
April	2,788	147	97	--	128	2,904	96
May	2,858	149	-95	--	149	2,762	99
June	2,729	169	-301	--	53	2,544	108
July	2,710	313	-355	--	75	2,592	119
August	2,922	370	-607	--	64	2,621	138
September	2,865	262	-489	--	98	2,540	152
October	2,717	243	25	--	74	2,912	152
November	2,917	254	-222	--	72	2,877	158
December	2,943	339	102	--	55	3,329	155
Average	**2,798**	**247**	**-31**	**--**	**100**	**2,914**	**--**
1987 January	2,759	222	444	--	115	3,310	141
February	2,556	253	629	--	93	3,345	124
March	2,421	297	464	--	67	3,116	109
April	2,553	192	300	--	53	2,991	100
May	2,563	203	-31	--	51	2,684	101
June	2,689	265	-104	--	61	2,790	104
July	2,700	381	-329	--	38	2,713	115
August	2,706	222	-327	--	47	2,553	125
September	2,748	222	-68	--	64	2,838	127
October	2,780	237	187	--	53	3,151	121
November	3,035	187	-234	--	56	2,932	128
December	3,242	378	-209	--	92	3,318	134
Average	**2,731**	**255**	**56**	**--**	**66**	**2,976**	**--**

[1] Stocks are totals as of end of period
[2] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[3] Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.
[4] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[5] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Figure S9. Residual Fuel Oil Supply and Disposition

(Thousand Barrels per Day)

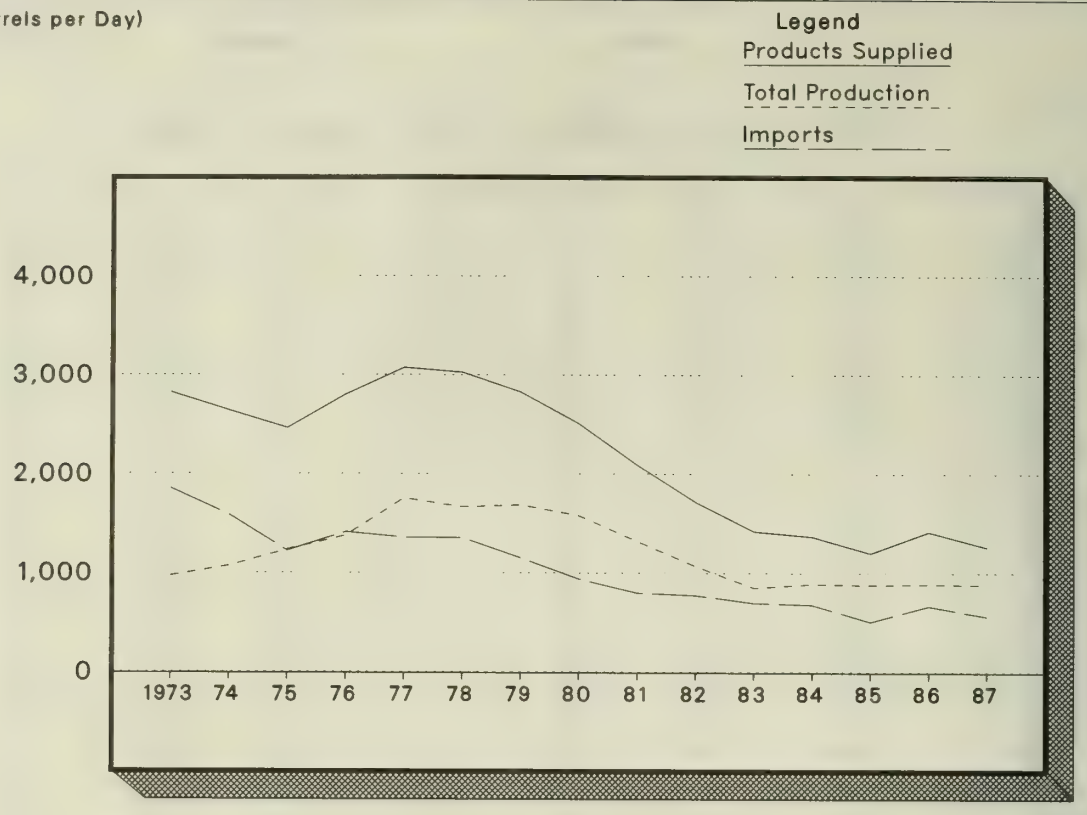


Figure S10. Residual Fuel Oil Ending Stocks

(Million Barrels)

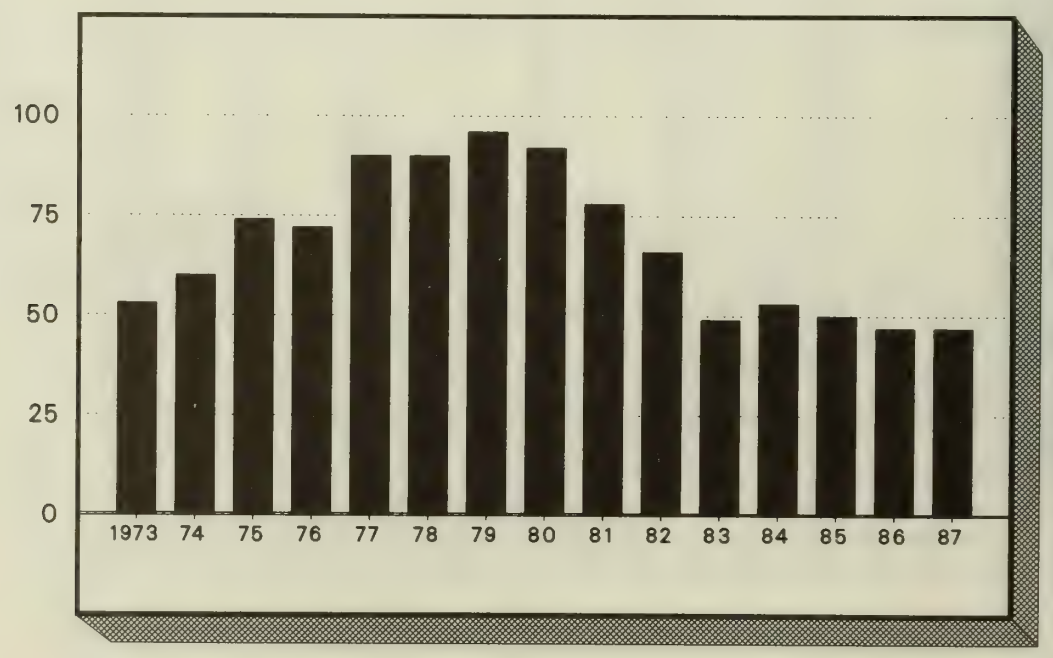


Table S6. Residual Fuel Oil Supply and Disposition

	Supply				Disposition		Ending Stocks[1]
	Total Production	Imports	Stock Withdrawal[2]	Crude Used Directly[3]	Exports	Products Supplied[3]	
	Thousand Barrels per Day						Million Barrels
1973 Average	**971**	**1,853**	**5**	**17**	**23**	**2,822**	**53**
1974 Average	**1,070**	**1,587**	**-17**	**13**	**14**	**2,639**	**[4] 60**
1975 Average	**1,235**	**1,223**	**[4] 2**	**15**	**15**	**2,462**	**74**
1976 Average	**1,377**	**1,413**	**5**	**17**	**12**	**2,801**	**72**
1977 Average	**1,754**	**1,359**	**-48**	**13**	**6**	**3,071**	**90**
1978 Average	**1,667**	**1,355**	**-1**	**13**	**13**	**3,023**	**90**
1979 Average	**1,687**	**1,151**	**-15**	**12**	**9**	**2,826**	**96**
1980 Average	**1,580**	**939**	**10**	**12**	**33**	**2,508**	**[4] 92**
1981 Average[5]	**1,321**	**800**	**[4] 37**	**48**	**118**	**2,088**	**78**
1982 Average	**1,070**	**776**	**32**	**48**	**209**	**1,716**	**[4] 66**
1983 Average	**852**	**699**	**[4] 55**	**--**	**185**	**1,421**	**49**
1984 Average	**891**	**681**	**-12**	**--**	**190**	**1,369**	**53**
1985 January	1,004	568	219	--	312	1,480	46
February	1,040	580	41	--	295	1,366	45
March	963	477	-35	--	216	1,190	46
April	912	383	-2	--	167	1,126	46
May	793	394	155	--	185	1,156	41
June	702	400	59	--	118	1,043	40
July	732	437	-29	--	83	1,058	41
August	742	424	108	--	106	1,168	37
September	808	617	-207	--	188	1,031	43
October	912	541	-228	--	184	1,042	50
November	932	627	5	--	275	1,290	50
December	1,055	681	-4	--	250	1,483	50
Average	**882**	**510**	**7**	**--**	**197**	**1,202**	**--**
1986 January	940	622	56	--	211	1,407	49
February	856	604	200	--	183	1,478	43
March	813	626	108	--	113	1,435	40
April	933	545	127	--	202	1,402	36
May	913	675	-114	--	129	1,345	39
June	818	712	-111	--	43	1,377	43
July	850	673	75	--	90	1,508	40
August	896	793	-29	--	174	1,485	41
September	854	641	-89	--	110	1,296	44
October	827	635	-59	--	144	1,259	46
November	975	574	-15	--	143	1,391	46
December	987	913	-37	--	224	1,638	47
Average	**889**	**669**	**8**	**--**	**147**	**1,418**	**--**
1987 January	920	701	81	--	198	1,504	45
February	825	668	243	--	221	1,515	38
March	863	559	-38	--	150	1,234	39
April	831	476	114	--	239	1,182	36
May	813	505	-145	--	144	1,029	40
June	864	481	-33	--	105	1,207	41
July	901	721	-108	--	175	1,339	45
August	882	512	-32	--	185	1,176	46
September	904	526	42	--	177	1,296	44
October	887	414	-39	--	194	1,069	46
November	928	568	-145	--	146	1,205	50
December	1,001	650	83	--	300	1,434	47
Average	**885**	**565**	**(s)**	**--**	**186**	**1,264**	**--**

[1] Stocks are totals as of end of period
[2] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[3] Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.
[4] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[5] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.
(s) = Less than 500 barrels per day.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Figure S11. Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels per Day)

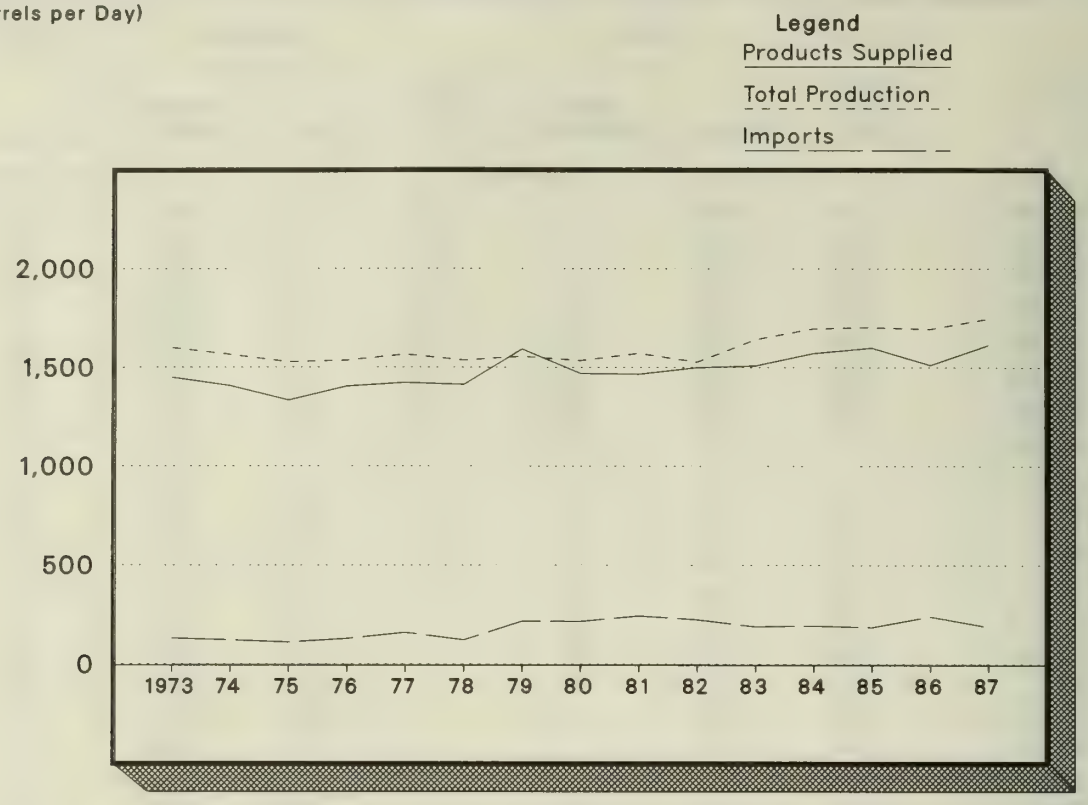


Figure S12. Liquefied Petroleum Gases Ending Stocks

(Million Barrels)

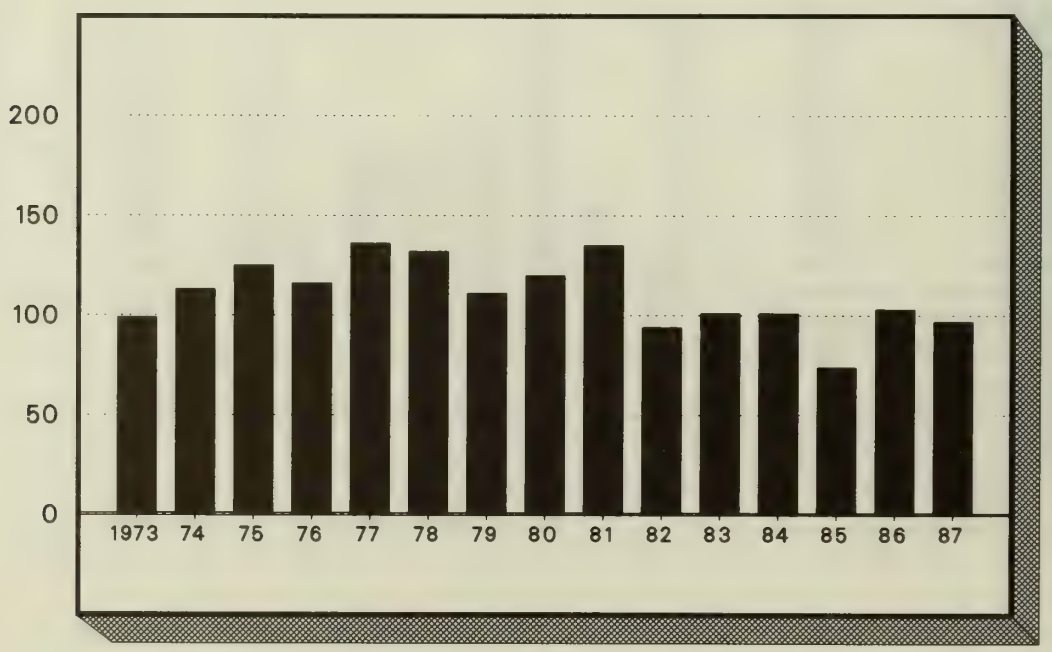


Table S7. Liquefied Petroleum Gases[1] Supply and Disposition

	Supply			Disposition			Ending Stocks[2]
	Total Production	Imports	Stock Withdrawal[3]	Refinery Inputs	Exports	Products Supplied	
	Thousand Barrels per Day						Million Barrels
1973 Average	**1,600**	**132**	**-35**	**220**	**27**	**1,449**	**99**
1974 Average	**1,565**	**123**	**-38**	**220**	**25**	**1,406**	**[4] 113**
1975 Average	**1,527**	**112**	**[4] -35**	**246**	**26**	**1,333**	**125**
1976 Average	**1,535**	**130**	**24**	**260**	**25**	**1,404**	**116**
1977 Average	**1,566**	**161**	**-55**	**233**	**18**	**1,422**	**136**
1978 Average	**1,537**	**123**	**12**	**239**	**20**	**1,413**	**132**
1979 Average	**1,556**	**217**	**70**	**236**	**15**	**1,592**	**111**
1980 Average	**1,535**	**216**	**-27**	**233**	**21**	**1,469**	**[4] 120**
1981 Average	**1,571**	**244**	**[4] -18**	**289**	**42**	**1,466**	**135**
1982 Average	**1,528**	**226**	**111**	**300**	**65**	**1,499**	**[4] 94**
1983 Average	**1,642**	**190**	**4**	**253**	**73**	**1,509**	**[4] 101**
1984 Average	**1,697**	**195**	**[4] 19**	**291**	**48**	**1,572**	**101**
1985 January	1,676	255	399	322	70	1,937	88
February	1,689	237	330	320	72	1,865	79
March	1,684	223	29	297	52	1,588	78
April	1,696	156	-143	262	78	1,368	83
May	1,713	138	-219	239	40	1,353	89
June	1,728	181	-175	250	51	1,432	95
July	1,713	131	-107	249	68	1,420	98
August	1,710	153	-98	277	80	1,409	101
September	1,667	132	61	321	29	1,510	99
October	1,669	209	304	340	47	1,794	90
November	1,716	188	192	387	88	1,620	84
December	1,786	239	337	386	75	1,901	74
Average	**1,704**	**187**	**75**	**304**	**62**	**1,599**	**--**
1986 January	1,850	280	80	364	47	1,800	71
February	1,815	208	108	325	74	1,733	68
March	1,693	202	-98	250	47	1,500	71
April	1,642	134	-200	256	33	1,286	77
May	1,685	196	-336	267	40	1,238	87
June	1,649	253	-490	228	25	1,158	102
July	1,684	303	-450	199	50	1,287	116
August	1,619	271	-332	243	53	1,262	126
September	1,631	282	-142	288	27	1,456	131
October	1,625	234	249	332	26	1,750	123
November	1,724	310	254	417	53	1,817	115
December	1,725	227	411	456	33	1,875	103
Average	**1,695**	**242**	**-80**	**302**	**42**	**1,512**	**--**
1987 January	1,751	183	500	419	43	1,971	87
February	1,762	201	205	341	38	1,789	81
March	1,761	132	-10	282	52	1,550	82
April	1,775	149	-121	274	36	1,493	85
May	1,732	142	-283	269	34	1,288	94
June	1,732	119	-175	255	22	1,400	99
July	1,764	190	-145	244	30	1,534	104
August	1,717	198	-259	252	33	1,372	112
September	1,736	288	-81	266	56	1,622	114
October	1,736	233	59	294	23	1,711	113
November	1,763	233	129	356	35	1,735	109
December	1,753	214	372	395	56	1,887	97
Average	**1,748**	**190**	**15**	**304**	**38**	**1,612**	**--**

[1] Includes ethane, propane, normal butane, and isobutane. Beginning in January 1984, unfractionated stream is reported by individual product.
[2] Stocks are totals as of end of period.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Table S8. Other Petroleum Products[1] Supply and Disposition

	Supply			Disposition			Ending Stocks[2]
	Total Production	Imports	Stock Withdrawal[3]	Refinery Inputs	Exports	Products Supplied	
	Thousand Barrels per Day						Million Barrels
1973 Average	**3,693**	**502**	**-9**	**750**	**166**	**3,270**	**208**
1974 Average	**3,558**	**432**	**-28**	**665**	**174**	**3,123**	**[4] 218**
1975 Average	**3,418**	**277**	**[4] 4**	**537**	**160**	**3,002**	**219**
1976 Average	**3,643**	**206**	**-5**	**524**	**175**	**3,145**	**220**
1977 Average	**3,912**	**205**	**-27**	**514**	**165**	**3,410**	**230**
1978 Average	**4,046**	**166**	**14**	**492**	**167**	**3,568**	**225**
1979 Average	**4,153**	**195**	**-37**	**352**	**209**	**3,749**	**238**
1980 Average	**3,956**	**210**	**-23**	**311**	**198**	**3,634**	**[4] 247**
1981 Average	**3,739**	**226**	**[4] 46**	**723**	**199**	**3,088**	**282**
1982 Average	**3,453**	**334**	**80**	**787**	**211**	**2,869**	**[4] 253**
1983 Average	**3,460**	**411**	**[4] 6**	**712**	**242**	**2,923**	**[4] 256**
1984 Average	**3,632**	**565**	**[4] 23**	**791**	**245**	**3,183**	**240**
1985 January	3,285	400	-88	556	223	2,815	243
February	3,422	498	-101	707	204	2,910	245
March	3,464	550	-421	633	190	2,769	259
April	3,618	628	-7	836	245	3,158	259
May	3,721	837	-113	991	191	3,263	262
June	3,924	612	80	995	261	3,360	260
July	3,994	658	19	975	241	3,455	259
August	4,087	640	372	1,328	218	3,549	248
September	3,878	529	-10	823	274	3,299	248
October	3,810	548	9	861	250	3,255	248
November	3,772	612	-183	906	277	3,016	253
December	3,658	542	226	1,006	305	3,118	246
Average	**3,721**	**588**	**-17**	**886**	**240**	**3,166**	**--**
1986 January	3,902	541	[5] -172	967	311	2,993	252
February	3,868	393	-209	747	270	3,035	[5] 258
March	3,754	454	[5] 21	854	208	3,167	257
April	3,788	638	-100	760	369	3,196	260
May	4,055	659	-114	810	298	3,492	[5] 264
June	4,209	687	[5] -70	853	263	3,710	266
July	4,145	589	[5] 119	1,064	357	3,432	262
August	4,223	572	335	1,061	301	3,768	[5] 252
September	4,225	571	[5] 35	846	278	3,708	[5] 251
October	3,969	575	[5] -112	666	375	3,391	254
November	3,904	559	[5] 36	940	342	3,217	253
December	3,920	490	[5] 90	1,069	325	3,105	250
Average	**3,997**	**561**	**-10**	**888**	**308**	**3,353**	**--**
1987 January	3,852	469	-121	659	219	3,323	254
February	3,796	687	-389	352	320	3,422	265
March	3,766	663	-128	757	281	3,262	269
April	3,933	589	107	872	254	3,502	266
May	4,049	529	178	913	320	3,523	260
June	4,203	712	158	896	320	3,857	255
July	4,363	550	91	835	256	3,913	253
August	4,340	616	-148	693	238	3,876	257
September	4,350	611	-24	903	353	3,681	258
October	4,223	686	14	971	272	3,680	258
November	4,010	583	-20	975	305	3,294	258
December	4,050	633	261	1,091	330	3,523	250
Average	**4,080**	**610**	**1**	**829**	**289**	**3,572**	**--**

[1] Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.
[2] Stocks are totals as of end of period.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[5] Ending stocks and stock withdrawal for 1986 are slightly different from those published in the 1986 "Petroleum Supply Annual" (PSA)--Volume 1. PSA statistics inadvertently omitted stocks of other hydrocarbons and alcohol.
Notes: Geographic coverage is the 50 States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Sources of Summary Statistics

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual.*

2. 1977 through 1980: U.S. Department of Energy, Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report.*

3. 1981 through 1987: EIA, *Petroleum Supply Annual.*

Detailed Statistics

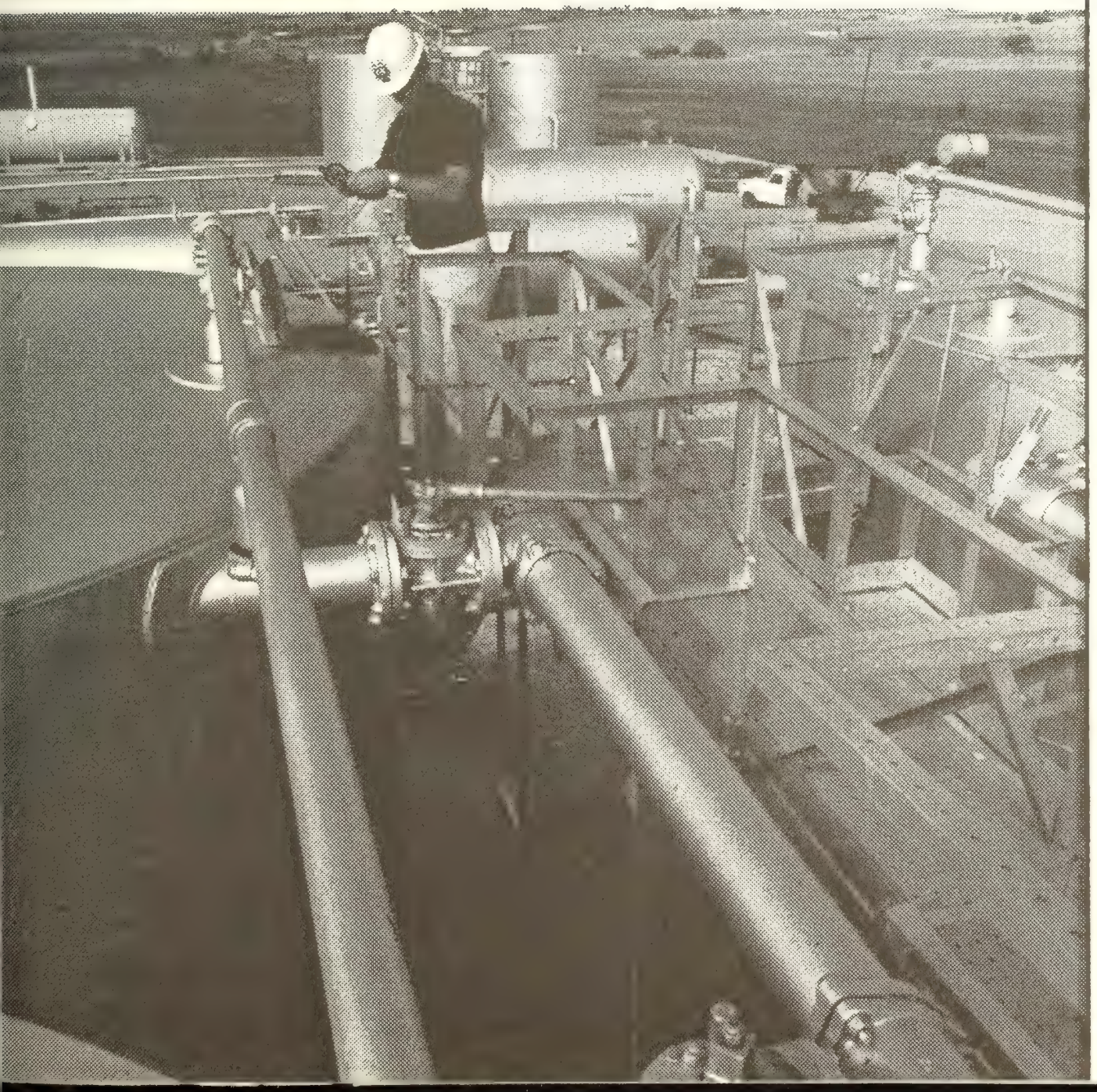


Table 1. U.S. Petroleum Balance, 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	715,955	1,962
(2) Lower 48 States	2,331,423	6,387
(3) Total U.S.	3,047,378	8,349
Net Imports		
(4) Imports (Gross Excluding SPR)	1,679,405	4,601
(5) SPR Imports	26,517	73
(6) Exports	54,964	151
(7) Imports (Net Including SPR)	1,650,958	4,523
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-29,083	-80
(9) Other Stock Withdrawal (+) or Addition (-)	-17,771	-49
(10) Product Supplied and Losses	-12,580	-34
(11) Unaccounted for [1]	52,882	145
(12) Total Other Sources	-6,552	-18
(13) Crude Input to Refineries	4,691,783	12,854
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	582,291	1,595
(15) Net Imports [2]	3,233	9
(16) Stock Withdrawal (+) or Addition (-) [2]	-151	0
(17) Total NGPL Supply	585,373	1,604
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	2,244	6
(19) Imports	131,343	360
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	23,321	64
(21) Refinery Processing Gain [1]	233,265	639
(22) Crude Oil Product Supplied	12,497	34
(23) Total Other Liquids	402,670	1,103
(23) = (18) through (22)		
(24) Total Production of Products [3]	5,679,826	15,561
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	596,143	1,633
(26) Exports	223,049	611
(27) Imports (Net)	373,094	1,022
(28) Total New Supply of Products	6,052,920	16,583
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	29,822	82
(30) Total Petroleum Products Supplied for Domestic Use	6,082,742	16,665
(30) = (28) + (29)		
(31) Finished Motor Gasoline	2,630,089	7,206
(32) Distillate Fuel Oil	1,086,413	2,976
(33) Residual Fuel Oil	461,504	1,264
(34) Liquefied Petroleum Gases	588,283	1,612
(35) Other [4]	1,303,957	3,572
(36) Crude Oil	12,497	34
(37) Total Product Supplied	6,082,742	16,665
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	348,995	--
(39) Strategic Petroleum Reserve (SPR)	540,648	--
(40) Unfinished Oils	93,185	--
(41) Gasoline Blending Components [5]	38,055	--
(42) Pentanes Plus	7,025	--
(43) Finished Refined Products [3]	579,543	--
(44) Total Stocks	1,607,451	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**3,047,378**	**0**	**1,705,922**	**-46,854**	**52,881**	**83**	**4,691,783**	**54,964**	**12,497**	**889,643**
Natural Gas Liquids and LRGs	**580,714**	**163,703**	**73,290**	**5,413**	**0**	**0**	**170,009**	**14,622**	**638,489**	**104,119**
Pentanes Plus	106,253	0	3,951	-151	0	0	59,129	718	50,206	7,025
Liquefied Petroleum Gases	474,461	163,703	69,339	5,564	0	0	110,880	13,904	588,283	97,094
Ethane	182,017	3,468	925	-6,840	0	0	619	1,444	177,507	22,261
Propane	183,562	118,580	32,046	15,060	0	0	3,030	8,917	337,300	47,792
Normal Butane	57,480	37,728	21,828	-683	0	0	58,377	2,825	55,151	16,542
Isobutane	51,402	3,927	14,540	-1,973	0	0	48,854	718	18,324	10,499
Other Liquids	**23,321**	**0**	**131,343**	**2,244**	**0**	**0**	**243,600**	**0**	**-86,692**	**131,240**
Other Hydrocarbons and Alcohol	23,321	0	0	-17	0	0	23,304	0	0	427
Unfinished Oils	0	0	109,298	837	0	0	172,376	0	-62,241	93,185
Motor Gasoline Blending Components	0	0	22,045	1,443	0	0	47,948	0	-24,460	37,372
Aviation Gasoline Blending Components	0	0	0	-19	0	0	-28	0	9	256
Finished Petroleum Products	**1,577**	**5,174,954**	**526,804**	**24,258**	**0**	**0**	**0**	**209,145**	**5,518,448**	**482,449**
Finished Motor Gasoline	123	2,497,019	140,204	5,431	0	0	0	12,688	2,630,089	188,811
Finished Leaded Motor Gasoline	111	608,655	13,090	15,114	0	0	0	3,302	633,668	53,117
Finished Unleaded Motor Gasoline	12	1,888,364	127,114	-9,683	0	0	0	9,387	1,996,420	135,694
Finished Aviation Gasoline	0	9,073	103	-135	0	0	0	0	9,041	2,331
Naphtha-Type Jet Fuel	0	74,612	1,172	-884	0	0	0	362	74,538	7,956
Kerosene-Type Jet Fuel	0	415,470	23,325	704	0	0	0	8,517	430,982	41,973
Kerosene	0	28,691	6,334	-68	0	0	0	444	34,513	8,447
Distillate Fuel Oil	516	996,119	93,176	20,612	0	0	0	24,010	1,086,413	134,485
Residual Fuel Oil	0	323,201	206,138	27	0	0	0	67,862	461,504	47,410
Naphtha < 400 Deg. for Petro. Feed. Use	0	41,911	25,954	-169	0	0	0	1,404	66,292	2,337
Other Oils > 400 Deg. for Petro. Feed. Use	0	98,035	2,931	217	0	0	0	5,853	95,330	1,601
Special Naphthas	0	20,936	7,314	105	0	0	0	765	27,590	3,654
Lubricants	0	60,870	5,254	893	0	0	0	8,323	58,694	13,271
Waxes	0	5,879	543	51	0	0	0	562	5,911	783
Petroleum Coke	0	186,902	441	-720	0	0	0	77,579	109,044	6,750
Asphalt and Road Oil	0	158,434	13,271	-1,092	0	0	0	328	170,285	18,799
Still Gas	0	234,529	0	0	0	0	0	0	234,529	0
Miscellaneous Products	938	23,273	644	-714	0	0	0	447	23,694	3,841
Total	**3,652,990**	**5,338,657**	**2,437,359**	**-14,939**	**52,881**	**83**	**5,105,392**	**278,731**	**6,082,742**	**1,607,451**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,349**	**0**	**4,674**	**-128**	**145**	**(s)**	**12,854**	**151**	**34**
Natural Gas Liquids and LRGs	**1,591**	**449**	**201**	**15**	**0**	**0**	**466**	**40**	**1,749**
Pentanes Plus	291	0	11	(s)	0	0	162	2	138
Liquefied Petroleum Gases	1,300	449	190	15	0	0	304	38	1,612
Ethane	499	10	3	-19	0	0	2	4	486
Propane	503	325	88	41	0	0	8	24	924
Normal Butane	157	103	60	-2	0	0	160	8	151
Isobutane	141	11	40	-5	0	0	134	2	50
Other Liquids	**64**	**0**	**360**	**6**	**0**	**0**	**667**	**0**	**-238**
Other Hydrocarbons and Alcohol	64	0	0	(s)	0	0	64	0	0
Unfinished Oils	0	0	299	2	0	0	472	0	-171
Motor Gasoline Blending Components	0	0	60	4	0	0	131	0	-67
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	(s)	0	(s)
Finished Petroleum Products	**4**	**14,178**	**1,443**	**66**	**0**	**0**	**0**	**573**	**15,119**
Finished Motor Gasoline	(s)	6,841	384	15	0	0	0	35	7,206
Finished Leaded Motor Gasoline	(s)	1,668	36	41	0	0	0	9	1,736
Finished Unleaded Motor Gasoline	(s)	5,174	348	-27	0	0	0	26	5,470
Finished Aviation Gasoline	0	25	(s)	(s)	0	0	0	0	25
Naphtha-Type Jet Fuel	0	204	3	-2	0	0	0	1	204
Kerosene-Type Jet Fuel	0	1,138	64	2	0	0	0	23	1,181
Kerosene	0	79	17	(s)	0	0	0	1	95
Distillate Fuel Oil	1	2,729	255	56	0	0	0	66	2,976
Residual Fuel Oil	0	885	565	(s)	0	0	0	186	1,264
Naphtha < 400 Deg. for Petro. Feed. Use	0	115	71	(s)	0	0	0	4	182
Other Oils > 400 Deg. for Petro. Feed Use	0	269	8	1	0	0	0	16	261
Special Naphthas	0	57	20	(s)	0	0	0	2	76
Lubricants	0	167	14	2	0	0	0	23	161
Waxes	0	16	1	(s)	0	0	0	2	16
Petroleum Coke	0	512	1	-2	0	0	0	213	299
Asphalt and Road Oil	0	434	36	-3	0	0	0	1	467
Still Gas	0	643	0	0	0	0	0	0	643
Miscellaneous Products	3	64	2	-2	0	0	0	1	65
Total	**10,008**	**14,626**	**6,678**	**-41**	**145**	**(s)**	**13,987**	**764**	**16,665**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**15,134**	**0**	**413,193**	**-27**	**6,678**	**21,801**	**8**	**456,771**	**(s)**	**0**	**15,535**
Natural Gas Liquids and LRGs	**9,340**	**17,539**	**15,937**	**-780**	**0**	**33,072**	**0**	**2,778**	**315**	**72,015**	**5,670**
Liquefied Petroleum Gases	8,009	17,539	13,465	-774	0	33,072	0	2,451	315	68,545	5,617
Pentanes Plus	1,331	0	2,472	-6	0	0	0	327	0	3,470	53
Other Liquids	**116**	**0**	**55,846**	**1,229**	**0**	**4,692**	**0**	**71,822**	**0**	**-9,939**	**17,248**
Other Hydrocarbons and Alcohol	116	0	0	-20	0	0	0	96	0	0	20
Unfinished Oils	0	0	41,514	1,651	0	1,709	0	57,972	0	-13,098	11,723
Motor Gasoline Blending Components	0	0	14,332	-402	0	2,983	0	13,754	0	3,159	5,505
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**537,645**	**440,814**	**27,256**	**0**	**871,097**	**0**	**0**	**6,182**	**1,870,630**	**159,907**
Finished Motor Gasoline	0	251,388	124,109	2,763	0	513,803	0	0	244	891,819	57,469
Finished Leaded Motor Gasoline	0	46,614	10,423	5,406	0	92,838	0	0	19	155,262	12,782
Finished Unleaded Motor Gasoline	0	204,774	113,686	-2,643	0	420,965	0	0	225	736,557	44,687
Finished Aviation Gasoline	0	79	0	-18	0	1,914	0	0	0	1,975	496
Naphtha-Type Jet Fuel	0	7,996	195	-195	0	5,541	0	0	4	13,533	1,561
Kerosene-Type Jet Fuel	0	24,255	17,630	1,304	0	117,108	0	0	175	160,122	10,291
Kerosene	0	2,140	3,537	193	0	6,924	0	0	82	12,712	3,337
Distillate Fuel Oil	0	114,402	84,822	21,590	0	203,104	0	0	441	423,477	53,754
Residual Fuel Oil	0	50,045	192,337	-202	0	6,546	0	0	233	248,493	23,119
Naphtha and Other Oils for Petro. Feed. Use	0	2,445	2,322	20	0	-313	0	0	502	3,972	364
Special Naphthas	0	676	624	-5	0	3,237	0	0	91	4,441	1,286
Lubricants	0	7,828	3,825	622	0	6,354	0	0	2,117	16,512	2,964
Waxes	0	1,004	314	31	0	63	0	0	73	1,339	64
Petroleum Coke	0	14,672	76	196	0	0	0	0	2,022	12,922	520
Asphalt and Road Oil	0	33,632	10,521	718	0	6,044	0	0	9	50,906	3,939
Still Gas	0	23,646	0	0	0	0	0	0	0	23,646	0
Miscellaneous Products	0	3,437	502	239	0	772	0	0	189	4,761	743
Total	**24,590**	**555,184**	**925,790**	**27,678**	**6,678**	**930,662**	**8**	**531,371**	**6,497**	**1,932,706**	**198,360**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**315,658**	**0**	**170,356**	**10,424**	**-6,757**	**554,226**	**3**	**1,037,952**	**5,955**	**0**	**73,043**
Natural Gas Liquids and LRGs	**111,061**	**29,312**	**28,520**	**-2,040**	**0**	**17,950**	**0**	**49,371**	**5,509**	**129,923**	**32,532**
Liquefied Petroleum Gases	94,552	29,312	28,123	-1,663	0	9,504	0	35,011	4,791	120,026	29,741
Pentanes Plus	16,509	0	397	-377	0	8,446	0	14,360	718	9,897	2,791
Other Liquids	**3,320**	**0**	**258**	**-557**	**0**	**-996**	**0**	**22,605**	**0**	**-20,580**	**21,909**
Other Hydrocarbons and Alcohol	3,320	0	0	-65	0	0	0	3,255	0	0	186
Unfinished Oils	0	0	208	-1,000	0	82	0	4,670	0	-5,380	13,880
Motor Gasoline Blending Components	0	0	50	608	0	-1,078	0	14,789	0	-15,209	7,687
Aviation Gasoline Blending Components	0	0	0	-100	0	0	0	-109	0	9	156
Finished Petroleum Products	**215**	**1,125,480**	**10,213**	**796**	**0**	**251,596**	**0**	**0**	**4,133**	**1,384,167**	**116,742**
Finished Motor Gasoline	0	614,092	1,420	1,273	0	158,703	0	0	512	774,976	53,497
Finished Leaded Motor Gasoline	0	157,877	52	3,526	0	42,565	0	0	24	203,996	17,835
Finished Unleaded Motor Gasoline	0	456,215	1,368	-2,253	0	116,138	0	0	488	570,980	35,662
Finished Aviation Gasoline	0	1,266	0	-186	0	1,252	0	0	0	2,332	695
Naphtha-Type Jet Fuel	0	6,462	943	-411	0	1,096	0	0	66	8,024	1,327
Kerosene-Type Jet Fuel	0	63,611	1,672	200	0	25,816	0	0	75	91,224	8,862
Kerosene	0	5,691	0	-302	0	-991	0	0	211	4,187	2,707
Distillate Fuel Oil	0	233,011	3,394	73	0	62,089	0	0	230	298,337	34,642
Residual Fuel Oil	0	24,285	1,316	415	0	-3,673	0	0	1	22,342	3,038
Naphtha and Other Oils for Petro. Feed. Use	0	17,946	442	-89	0	476	0	0	640	18,135	416
Special Naphthas	0	5,250	603	67	0	1,540	0	0	39	7,421	645
Lubricants	0	8,776	143	330	0	3,157	0	0	504	11,902	2,125
Waxes	0	577	145	5	0	0	0	0	136	591	99
Petroleum Coke	0	39,118	0	1,151	0	0	0	0	1,619	38,650	875
Asphalt and Road Oil	0	53,529	82	-1,499	0	1,926	0	0	81	53,957	7,305
Still Gas	0	48,091	0	0	0	0	0	0	0	48,091	0
Miscellaneous Products	215	3,775	53	-231	0	205	0	0	18	3,999	509
Total	**430,257**	**1,154,792**	**209,347**	**8,623**	**-6,757**	**822,776**	**3**	**1,109,928**	**15,597**	**1,493,510**	**244,226**

[1] Unaccounted for crude oil is a balancing item
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,396,773**	**0**	**1,026,885**	**-39,949**	**16,600**	**-268,927**	**34**	**2,131,349**	**0**	**0**	**698,218**
Natural Gas Liquids and LRGs	**395,804**	**95,025**	**19,627**	**7,340**	**0**	**-32,128**	**0**	**101,121**	**7,278**	**377,269**	**62,526**
Liquefied Petroleum Gases	330,419	95,025	19,374	7,136	0	-25,974	0	60,231	7,278	358,471	58,542
Pentanes Plus	65,385	0	253	204	0	-6,154	0	40,890	0	18,798	3,984
Other Liquids	**14,890**	**0**	**68,361**	**4,215**	**0**	**-4,338**	**0**	**129,325**	**0**	**-46,197**	**57,795**
Other Hydrocarbons and Alcohol	14,890	0	0	91	0	0	0	14,981	0	0	193
Unfinished Oils	0	0	65,943	2,560	0	-2,411	0	101,262	0	-35,170	42,610
Motor Gasoline Blending Components	0	0	2,418	1,500	0	-1,927	0	13,009	0	-11,018	14,923
Aviation Gasoline Blending Components	0	0	0	64	0	0	0	73	0	-9	69
Finished Petroleum Products	**1,318**	**2,378,554**	**53,809**	**-2,206**	**0**	**-1,158,579**	**0**	**0**	**96,535**	**1,176,361**	**135,515**
Finished Motor Gasoline	123	1,128,212	5,751	1,666	0	-691,185	0	0	7,583	436,984	50,966
Finished Leaded Motor Gasoline	111	252,646	148	4,612	0	-140,683	0	0	2,807	114,027	12,776
Finished Unleaded Motor Gasoline	12	875,566	5,603	-2,946	0	-550,502	0	0	4,776	322,957	38,190
Finished Aviation Gasoline	0	5,509	37	37	0	-3,337	0	0	0	2,246	656
Naphtha-Type Jet Fuel	0	37,554	0	-511	0	-9,048	0	0	47	27,948	2,833
Kerosene-Type Jet Fuel	0	203,847	561	502	0	-153,460	0	0	6,868	44,582	14,719
Kerosene	0	18,612	2,797	64	0	-5,933	0	0	127	15,413	2,052
Distillate Fuel Oil	516	462,345	2,855	-974	0	-269,127	0	0	10,277	185,338	31,517
Residual Fuel Oil	0	110,429	9,702	-517	0	-2,873	0	0	19,725	97,016	12,552
Naphtha and Other Oils for Petro. Feed. Use	0	113,917	24,702	93	0	-163	0	0	4,100	134,449	2,835
Special Naphthas	0	13,648	5,965	36	0	-4,811	0	0	510	14,328	1,535
Lubricants	0	37,103	718	-517	0	-9,632	0	0	4,444	23,228	6,510
Waxes	0	3,216	36	-8	0	-63	0	0	233	2,948	429
Petroleum Coke	0	83,536	126	-1,967	0	0	0	0	42,400	39,295	3,417
Asphalt and Road Oil	0	38,942	472	164	0	-7,970	0	0	28	31,580	3,795
Still Gas	0	108,315	0	0	0	0	0	0	0	108,315	0
Miscellaneous Products	679	13,369	87	-274	0	-977	0	0	191	12,693	1,699
Total	**1,808,786**	**2,473,579**	**1,168,682**	**-30,600**	**16,600**	**-1,463,972**	**34**	**2,361,795**	**103,812**	**1,507,433**	**954,054**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**204,916**	**0**	**23,563**	**54**	**17,194**	**-86,383**	**0**	**159,342**	**0**	**1**	**12,530**
Natural Gas Liquids and LRGs	**35,935**	**2,860**	**5,372**	**55**	**0**	**-18,894**	**0**	**6,825**	**236**	**18,267**	**1,088**
Liquefied Petroleum Gases	26,501	2,860	4,543	47	0	-16,602	0	5,542	236	11,571	934
Pentanes Plus	9,434	0	829	8	0	-2,292	0	1,283	0	6,696	154
Other Liquids	**37**	**0**	**0**	**137**	**0**	**0**	**0**	**-1,941**	**0**	**2,115**	**4,060**
Other Hydrocarbons and Alcohol	37	0	0	-14	0	0	0	23	0	0	14
Unfinished Oils	0	0	0	-296	0	0	0	-2,738	0	2,442	2,322
Motor Gasoline Blending Components	0	0	0	447	0	0	0	767	0	-320	1,724
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	7	0	-7	0
Finished Petroleum Products	**44**	**165,120**	**1,429**	**295**	**0**	**17**	**0**	**0**	**88**	**166,817**	**11,656**
Finished Motor Gasoline	0	85,225	612	-189	0	-2,779	0	0	6	82,863	5,055
Finished Leaded Motor Gasoline	0	35,505	180	249	0	-3,786	0	0	1	32,147	2,194
Finished Unleaded Motor Gasoline	0	49,720	432	-438	0	1,007	0	0	5	50,716	2,861
Finished Aviation Gasoline	0	263	0	-7	0	171	0	0	0	427	54
Naphtha-Type Jet Fuel	0	4,816	0	-64	0	-2,098	0	0	1	2,653	430
Kerosene-Type Jet Fuel	0	9,557	0	-60	0	8,165	0	0	1	17,661	836
Kerosene	0	169	0	-58	0	0	0	0	2	109	92
Distillate Fuel Oil	0	40,825	804	188	0	-3,442	0	0	2	38,373	3,098
Residual Fuel Oil	0	3,685	10	-43	0	0	0	0	0	3,652	387
Naphtha and Other Oils for Petro. Feed Use	0	14	0	-2	0	0	0	0	8	4	33
Special Naphthas	0	-2	0	-1	0	0	0	0	1	-4	7
Lubricants	0	403	0	-39	0	0	0	0	52	312	110
Waxes	0	239	3	18	0	0	0	0	(s)	260	87
Petroleum Coke	0	3,670	0	72	0	0	0	0	1	3,741	31
Asphalt and Road Oil	0	9,255	0	428	0	0	0	0	10	9,673	1,415
Still Gas	0	6,455	0	0	0	0	0	0	0	6,455	0
Miscellaneous Products	44	546	0	52	0	0	0	0	2	640	21
Total	**240,931**	**167,980**	**30,364**	**541**	**17,194**	**-105,260**	**0**	**164,226**	**323**	**187,201**	**29,334**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,114,896**	**0**	**71,925**	**-17,356**	**19,168**	**-220,717**	**38**	**906,369**	**49,009**	**12,496**	**90,317**
Natural Gas Liquids and LRGs	**28,574**	**18,967**	**3,834**	**838**	**0**	**0**	**0**	**9,914**	**1,285**	**41,014**	**2,303**
Liquefied Petroleum Gases	14,980	18,967	3,834	818	0	0	0	7,645	1,285	29,669	2,260
Pentanes Plus	13,594	0	0	20	0	0	0	2,269	0	11,345	43
Other Liquids	**4,958**	**0**	**6,878**	**-2,780**	**0**	**642**	**0**	**21,789**	**0**	**-12,091**	**30,228**
Other Hydrocarbons and Alcohol	4,958	0	0	-9	0	0	0	4,949	0	0	14
Unfinished Oils	0	0	1,633	-2,078	0	620	0	11,210	0	-11,035	22,650
Motor Gasoline Blending Components	0	0	5,245	-710	0	22	0	5,629	0	-1,072	7,533
Aviation Gasoline Blending Components	0	0	0	17	0	0	0	1	0	16	31
Finished Petroleum Products	**0**	**968,155**	**20,539**	**-1,883**	**0**	**35,869**	**0**	**0**	**102,208**	**920,472**	**58,629**
Finished Motor Gasoline	0	418,102	8,312	-82	0	21,458	0	0	4,342	443,448	21,824
Finished Leaded Motor Gasoline	0	116,013	2,287	1,321	0	9,066	0	0	450	128,237	7,530
Finished Unleaded Motor Gasoline	0	302,089	6,025	-1,403	0	12,392	0	0	3,892	315,211	14,294
Finished Aviation Gasoline	0	1,956	66	39	0	0	0	0	0	2,061	430
Naphtha-Type Jet Fuel	0	17,784	34	297	0	4,509	0	0	245	22,379	1,805
Kerosene-Type Jet Fuel	0	114,200	3,462	-1,242	0	2,371	0	0	1,398	117,394	7,265
Kerosene	0	2,079	0	35	0	0	0	0	23	2,091	259
Distillate Fuel Oil	0	145,536	1,301	-265	0	7,376	0	0	13,060	140,888	11,474
Residual Fuel Oil	0	134,757	2,773	374	0	0	0	0	47,903	90,001	8,314
Naphtha and Other Oils for Petro. Feed. Use	0	5,624	1,419	26	0	0	0	0	2,006	5,063	290
Special Naphthas	0	1,364	122	8	0	34	0	0	124	1,404	181
Lubricants	0	6,760	568	497	0	121	0	0	1,207	6,739	1,562
Waxes	0	843	45	5	0	0	0	0	120	773	104
Petroleum Coke	0	45,906	239	-172	0	0	0	0	31,536	14,437	1,907
Asphalt and Road Oil	0	23,076	2,196	-903	0	0	0	0	199	24,170	2,345
Still Gas	0	48,022	0	0	0	0	0	0	0	48,022	0
Miscellaneous Products	0	2,146	2	-500	0	0	0	0	47	1,601	869
Total	**1,148,424**	**987,122**	**103,176**	**-21,181**	**19,168**	**-184,206**	**38**	**938,072**	**152,502**	**961,892**	**181,477**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**15,134**	**41**
Florida	8,270	23
New York	710	2
Pennsylvania	3,302	9
Virginia	17	(s)
West Virginia	2,835	8
PAD District II, Total	**315,658**	**865**
Illinois	23,980	66
Indiana	3,738	10
Kansas	59,884	164
Kentucky	5,743	16
Michigan	25,972	71
Missouri	110	(s)
Nebraska	6,091	17
North Dakota	41,351	113
Ohio	12,153	33
Oklahoma	134,378	368
South Dakota	1,644	5
Tennessee	614	2
PAD District III, Total	**1,396,773**	**3,827**
Alabama	20,607	56
Arkansas	14,230	39
Louisiana [1]	175,027	480
Mississippi	28,103	77
New Mexico	72,328	198
Texas [1]	760,962	2,085
Federal Offshore PAD District III	325,516	892
PAD District IV, Total	**204,916**	**561**
Colorado	28,802	79
Montana	25,059	69
Utah	35,788	98
Wyoming	115,267	316
PAD District V, Total	**1,114,896**	**3,055**
Alaska [1]	715,955	1,962
South Alaska	16,149	44
North Slope	699,806	1,917
Arizona	131	(s)
California [1]	364,608	999
Nevada	3,112	9
Federal Offshore PAD District V	31,090	85
United States Total [1]	**3,047,378**	**8,349**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 22,729; California: State 30,396; Louisiana State - 25,159; Texas: State - 1,789; U.S. Total, including Federal Offshore - 436,679.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal Offshore, PAD District V Federal Offshore, and Wyoming.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**2,783**	**6,557**	**9,340**	**13,890**	**5,656**	**91,515**	**111,061**	**222,774**	**34,644**	**85,568**	**6,856**	**45,962**	**395,804**	**35,935**	**28,574**	**580,714**
Pentanes Plus	505	826	1,331	1,884	1,418	13,207	16,509	39,411	3,259	14,850	1,951	5,914	65,385	9,434	13,594	106,253
Liquefied Petroleum Gases	2,278	5,731	8,009	12,006	4,238	78,308	94,552	183,363	31,385	70,718	4,905	40,048	330,419	26,501	14,980	474,461
Ethane	607	1,980	2,587	4,295	24	29,743	34,062	75,174	13,304	31,630	915	18,772	139,795	5,516	57	182,017
Propane	995	2,445	3,440	4,645	2,511	32,103	39,259	68,705	14,956	23,419	2,079	13,774	122,933	13,208	4,722	183,562
Normal Butane	541	931	1,472	1,602	1,616	10,725	13,943	28,317	-13,164	7,525	1,329	4,899	28,906	5,656	7,503	57,480
Isobutane	135	375	510	1,464	87	5,737	7,288	11,167	16,289	8,144	582	2,603	38,785	2,121	2,698	51,402
Finished Petroleum Products	**0**	**0**	**0**	**32**	**0**	**183**	**215**	**472**	**604**	**24**	**198**	**20**	**1,318**	**44**	**0**	**1,577**
Finished Motor Gasoline	0	0	0	0	0	0	0	12	109	0	0	2	123	0	0	123
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	109	0	0	2	111	0	0	111
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	12	0	0	0	0	12	0	0	12
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	495	21	0	0	516	0	0	516
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	32	0	183	215	460	0	3	198	18	679	44	0	938
Total Production	**2,783**	**6,557**	**9,340**	**13,922**	**5,656**	**91,698**	**111,276**	**223,246**	**35,248**	**85,592**	**7,054**	**45,982**	**397,122**	**35,979**	**28,574**	**582,291**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**420,938**	**35,833**	**456,771**	**704,242**	**104,763**	**228,947**	**1,037,952**	**171,655**	**1,061,778**	**813,732**	**60,036**	**24,148**	**2,131,349**	**159,342**	**906,369**	**4,691,783**
Pentanes Plus	324	3	327	6,312	1,309	6,739	14,360	12,924	21,069	4,327	932	1,638	40,890	1,283	2,269	59,129
Liquefied Petroleum Gases	1,824	627	2,451	24,306	2,088	8,617	35,011	8,977	20,214	28,908	1,465	667	60,231	5,542	7,645	110,880
Ethane	0	0	0	0	0	0	0	0	30	589	0	0	619	0	0	619
Propane	4	0	4	899	0	0	899	491	1,197	362	0	14	2,064	5	58	3,030
Normal Butane	1,045	627	1,672	11,791	1,283	4,025	17,099	4,213	9,525	15,721	426	273	30,158	4,650	4,798	58,377
Isobutane	775	0	775	11,616	805	4,592	17,013	4,273	9,462	12,236	1,039	380	27,390	887	2,789	48,854
Other Liquids																
Other Hydrocarbons and Alcohol	96	0	96	3,120	34	101	3,255	0	9,157	5,726	0	98	14,981	23	4,949	23,304
Unfinished Oil (net)	55,550	2,422	57,972	2,388	131	2,151	4,670	3,528	80,695	15,910	1,016	113	101,262	-2,738	11,210	172,376
Motor Gasoline Blending Components (net)	13,773	-19	13,754	13,527	9	1,253	14,789	174	6,762	5,703	309	61	13,009	767	5,629	47,948
Aviation Gasoline Blending Components (net)	0	0	0	-115	0	6	-109	0	0	73	0	0	73	7	1	-28
Total Input to Refineries	**492,505**	**38,866**	**531,371**	**753,780**	**108,334**	**247,814**	**1,109,928**	**197,258**	**1,199,675**	**874,379**	**63,758**	**26,725**	**2,361,795**	**164,226**	**938,072**	**5,105,392**
Crude Oil Distillation																
Gross Input (daily average)	1,158	98	1,256	1,937	287	630	2,854	471	2,949	2,273	164	66	5,923	437	2,534	13,003
Operable Capacity (daily average)	1,342	108	1,450	2,235	317	730	3,282	582	3,558	2,699	260	76	7,174	535	3,202	15,642
Operating Ratio (percent)[1]	86.2	91.0	86.6	86.6	90.6	86.3	86.9	80.8	82.9	84.2	63.0	87.6	82.5	81.7	79.1	83.1
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	497	6	503	688	102	209	999	173	1,121	733	27	22	2,075	145	648	4,370
Catalytic Hydrocracking	47	4	51	107	0	5	112	0	183	202	0	0	385	6	393	946
Cokers	63	0	63	130	42	61	233	7	186	306	9	0	509	16	444	1,265
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.02	60	98	96	1.95	54	97	61	87	1.19	1.30	85	98	79	1.07	99
API Gravity, Weighted Average	31.64	38.44	32.17	35.33	29.98	37.44	35.25	38.42	34.27	31.16	34.10	39.75	33.47	36.21	25.21	32.22
Operable Capacity (daily average)	**1,342**	**108**	**1,450**	**2,235**	**317**	**730**	**3,282**	**582**	**3,558**	**2,699**	**260**	**76**	**7,174**	**535**	**3,202**	**15,642**
Operating	1,276	107	1,383	2,152	312	709	3,173	538	3,451	2,521	233	76	6,819	518	3,022	14,915
Idle	66	1	67	83	5	21	109	44	107	177	27	0	355	17	180	727
Alaskan Crude Oil Receipts	**15,301**	**0**	**15,301**	**13,343**	**0**	**0**	**13,343**	**0**	**59,767**	**81,719**	**0**	**0**	**141,486**	**0**	**448,301**	**618,431**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures. See Explanatory Notes 1 and 2

Table 12. Refinery Net Production of Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	
Liquefied Refinery Gases	17,218	321	17,539	22,351	2,901	4,060	29,312	2,976	41,248	48,626	1,026	1,149	95,025	2,860	163,703
Ethane	0	0	0	0	0	0	0	-396	3,694	-22	0	0	3,276	0	3,468
Propane	13,696	321	14,017	22,411	2,715	5,082	30,208	3,980	32,126	22,335	795	703	59,939	2,020	118,580
Normal Butane	3,166	0	3,166	-48	48	-1,022	-1,022	-2,792	5,682	26,153	229	446	29,718	975	37,728
Isobutane	356	0	356	-12	138	0	126	2,184	-254	160	2	0	2,092	-135	3,927
Finished Motor Gasoline	237,631	13,757	251,388	418,137	57,579	138,376	614,092	104,329	566,281	424,054	19,004	14,544	1,128,212	85,225	2,497,019
Finished Leaded Motor Gasoline	42,841	3,773	46,614	90,057	15,612	52,208	157,877	34,507	119,086	89,624	3,859	5,570	252,646	35,505	608,655
Finished Unleaded Motor Gasoline	194,790	9,984	204,774	328,080	41,967	86,168	456,215	69,822	447,195	334,430	15,145	8,974	875,566	49,720	1,888,364
Finished Aviation Gasoline	79	0	79	886	227	153	1,266	1,565	2,464	1,480	0	0	5,509	263	9,073
Naphtha-Type Jet Fuel	7,996	0	7,996	3,438	370	2,654	6,462	10,517	11,783	9,968	2,175	3,111	37,554	4,816	74,612
Kerosene-Type Jet Fuel	24,255	0	24,255	45,387	5,427	12,797	63,611	11,254	95,987	94,718	1,416	472	203,847	9,557	415,470
Kerosene	1,263	877	2,140	5,162	519	10	5,691	788	12,785	4,839	200	0	18,612	169	28,691
Distillate Fuel Oil	102,471	11,931	114,402	146,009	26,060	60,942	233,011	41,146	227,488	170,994	17,293	5,424	462,345	40,825	996,119
Residual Fuel Oil	48,579	1,466	50,045	19,968	2,423	1,894	24,285	6,075	61,028	40,480	2,700	146	110,429	3,685	323,201
Naphtha < 400 Deg. for Petro. Feed. Use	2,355	0	2,355	8,744	0	1,059	9,803	1,089	24,701	1,828	194	8	27,820	2	41,911
Other Oils > 400 Deg. for Petro. Feed. Use	90	0	90	7,816	0	327	8,143	1,708	65,441	18,948	0	0	86,097	12	98,035
Special Naphthas	429	247	676	3,926	0	1,324	5,250	1,123	11,205	-700	2,020	0	13,648	-2	20,936
Lubricants	3,437	4,391	7,828	5,179	0	3,597	8,776	263	24,295	7,612	4,933	0	37,103	403	60,870
Waxes	0	1,004	1,004	234	0	343	577	108	1,644	840	624	0	3,216	239	5,879
Petroleum Coke	14,415	257	14,672	25,702	5,657	7,759	39,118	3,972	38,321	39,876	1,160	207	83,536	3,670	186,902
Marketable	3,667	0	3,667	13,760	4,123	4,787	22,670	474	18,779	29,677	753	0	49,683	1,540	111,435
Catalyst	10,748	257	11,005	11,942	1,534	2,972	16,448	3,498	19,542	10,199	407	207	33,853	2,130	75,467
Asphalt and Road Oil	31,119	2,513	33,632	35,546	8,774	9,209	53,529	4,231	8,566	15,344	9,503	1,298	38,942	9,255	158,434
Still Gas	21,676	1,970	23,646	33,233	3,896	10,962	48,091	8,540	59,353	37,419	2,028	975	108,315	6,455	234,529
Miscellaneous Products	2,880	557	3,437	2,755	409	611	3,775	513	7,492	5,236	128	0	13,369	546	23,273
Fuel Use	47	0	47	0	0	6	6	78	0	360	0	0	438	13	605
Non-Fuel Use	2,833	557	3,390	2,755	409	605	3,769	435	7,492	4,876	128	0	12,931	533	22,668
Total Production	**515,893**	**39,291**	**555,184**	**784,473**	**114,242**	**256,077**	**1,154,792**	**200,197**	**1,260,082**	**921,562**	**64,404**	**27,334**	**2,473,579**	**167,980**	**5,338,657**
Processing Gain(-) or Loss(+)[1]	-23,388	-425	-23,813	-30,693	-5,908	-8,263	-44,864	-2,939	-60,407	-47,183	-646	-609	-111,784	-3,754	-233,265

1 Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

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Table 12. Refinery Net Production of Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	17,218	321	17,539	22,351	2,901	4,060	29,312	2,976	41,248	48,626	1,026	1,149	95,025	2,860	18,967	163,703
Ethane	0	0	0	0	0	0	0	-396	3,694	-22	0	0	3,276	0	192	3,468
Propane	13,696	321	14,017	22,411	2,715	5,082	30,208	3,980	32,126	22,335	795	703	59,939	2,020	12,396	118,580
Normal Butane	3,166	0	3,166	-48	48	-1,022	-1,022	-2,792	5,682	26,153	229	446	29,718	975	4,891	37,728
Isobutane	356	0	356	-12	138	0	126	2,184	-254	160	2	0	2,092	-135	1,488	3,927
Finished Motor Gasoline	237,631	13,757	251,388	418,137	57,579	138,376	614,092	104,329	566,281	424,054	19,004	14,544	1,128,212	85,225	418,102	2,497,019
Finished Leaded Motor Gasoline	42,841	3,773	46,614	90,057	15,612	52,208	157,877	34,507	119,086	89,624	3,859	5,570	252,646	35,505	116,013	608,655
Finished Unleaded Motor Gasoline	194,790	9,984	204,774	328,080	41,967	86,168	456,215	69,822	447,195	334,430	15,145	8,974	875,566	49,720	302,089	1,888,364
Finished Aviation Gasoline	79	0	79	886	227	153	1,266	1,565	2,464	1,480	0	0	5,509	263	1,956	9,073
Naphtha-Type Jet Fuel	7,996	0	7,996	3,438	370	2,654	6,462	10,517	11,783	9,968	2,175	3,111	37,554	4,816	17,784	74,612
Kerosene-Type Jet Fuel	24,255	0	24,255	45,387	5,427	12,797	63,611	11,254	95,987	94,718	1,416	472	203,847	9,557	114,200	415,470
Kerosene	1,263	877	2,140	5,162	519	10	5,691	788	12,785	4,839	200	0	18,612	169	2,079	28,691
Distillate Fuel Oil	102,471	11,931	114,402	146,009	26,060	60,942	233,011	41,146	227,488	170,994	17,293	5,424	462,345	40,825	145,536	996,119
Residual Fuel Oil	48,579	1,466	50,045	19,968	2,423	1,894	24,285	6,075	61,028	40,480	2,700	146	110,429	3,685	134,757	323,201
Naphtha < 400 Deg. for Petro. Feed. Use	2,355	0	2,355	8,744	0	1,059	9,803	1,089	24,701	1,828	194	8	27,820	2	1,931	41,911
Other Oils > 400 Deg. for Petro. Feed. Use	90	0	90	7,816	0	327	8,143	1,708	65,441	18,948	0	0	86,097	12	3,693	98,035
Special Naphthas	429	247	676	3,926	0	1,324	5,250	1,123	11,205	-700	2,020	0	13,648	-2	1,364	20,936
Lubricants	3,437	4,391	7,828	5,179	0	3,597	8,776	263	24,295	7,612	4,933	0	37,103	403	6,760	60,870
Waxes	0	1,004	1,004	234	0	343	577	108	1,644	840	624	0	3,216	239	843	5,879
Petroleum Coke	14,415	257	14,672	25,702	5,657	7,759	39,118	3,972	38,321	39,876	1,160	207	83,536	3,670	45,906	186,902
Marketable	3,667	0	3,667	13,760	4,123	4,787	22,670	474	18,779	29,677	753	0	49,683	1,540	33,875	111,435
Catalyst	10,748	257	11,005	11,942	1,534	2,972	16,448	3,498	19,542	10,199	407	207	33,853	2,130	12,031	75,467
Asphalt and Road Oil	31,119	2,513	33,632	35,546	8,774	9,209	53,529	4,231	8,566	15,344	9,503	1,298	38,942	9,255	23,076	158,434
Still Gas	21,676	1,970	23,646	33,233	3,896	10,962	48,091	8,540	59,353	37,419	2,028	975	108,315	6,455	48,022	234,529
Miscellaneous Products	2,880	557	3,437	2,755	409	611	3,775	513	7,492	5,236	128	0	13,369	546	2,146	23,273
Fuel Use	47	0	47	0	0	6	6	78	0	360	0	0	438	13	101	605
Non-Fuel Use	2,833	557	3,390	2,755	409	605	3,769	435	7,492	4,876	128	0	12,931	533	2,045	22,668
Total Production	**515,893**	**39,291**	**555,184**	**784,473**	**114,242**	**256,077**	**1,154,792**	**200,197**	**1,260,082**	**921,562**	**64,404**	**27,334**	**2,473,579**	**167,980**	**987,122**	**5,338,657**
Processing Gain(-) or Loss(+)[1]	-23,388	-425	-23,813	-30,693	-5,908	-8,263	-44,864	-2,939	-60,407	-47,183	-646	-609	-111,784	-3,754	-49,050	-233,265

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.6	0.8	3.4	3.2	2.8	1.8	2.8	1.7	3.6	5.9	1.7	4.7	4.3	1.8	2.1	3.4
Finished Motor Gasoline[2]	46.5	34.4	45.6	52.5	51.6	52.6	52.4	47.0	44.6	45.7	26.7	49.8	44.8	49.6	43.3	46.4
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.2	.1	.1	.9	.2	.2	.0	.0	.2	.2	.2	.2
Naphtha-Type Jet Fuel	1.7	0	1.6	.5	.4	1.1	.6	6.0	1.0	1.2	3.6	12.8	1.7	3.1	1.9	1.5
Kerosene-Type Jet Fuel	5.1	.0	4.7	6.4	5.2	5.5	6.1	6.4	8.4	11.4	2.3	1.9	9.1	6.1	12.4	8.5
Kerosene	.3	2.3	.4	.7	.5	.0	.5	.4	1.1	.6	.3	0	.8	.1	.2	.6
Distillate Fuel Oil	21.5	31.2	22.2	20.7	24.8	26.4	22.3	23.5	19.9	20.6	28.3	22.4	20.7	26.1	15.9	20.5
Residual Fuel Oil	10.2	3.8	9.7	2.8	2.3	.8	2.3	3.5	5.3	4.9	4.4	.6	4.9	2.4	14.7	6.6
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	1.2	0	5	.9	.6	2.2	.2	.3	.0	1.2	.0	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	.1	.8	1.0	5.7	2.3	0	0	3.9	.0	.4	2.0
Special Naphthas	.1	.6	.1	.6	0	.6	.5	.6	1.0	-.1	3.3	0	.6	0	.1	.4
Lubricants	.7	11.5	1.5	.7	0	1.6	.8	2	2.1	.9	8.1	0	1.7	.3	.7	1.3
Waxes	0	2.6	.2	.0	0	.1	.1	.1	.1	.1	1.0	0	.1	2	.1	.1
Petroleum Coke	3.0	.7	2.9	3.6	5.4	3.4	3.8	2.3	3.4	4.8	1.9	.9	3.7	2.3	5.0	3.8
Asphalt and Road Oil	6.5	6.6	6.5	5.0	8.4	4.0	5.1	2.4	.7	1.8	15.6	5.4	1.7	5.9	2.5	3.3
Still Gas	4.5	5.1	4.6	4.7	3.7	4.7	4.6	4.9	5.2	4.5	3.3	4.0	4.9	4.1	5.2	4.8
Miscellaneous Products	.6	1.5	.7	.4	.4	.3	.4	.3	.7	.6	.2	0	6	.3	.2	.5
Processing Gain(-) or Loss(+)[4]	-4.9	-1.1	-4.6	-4.3	-5.6	-3.6	-4.3	-1.7	-5.3	-5.7	-1.1	-2.5	-5.0	-2.4	-5.3	-4.8

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Total (Daily Average)
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**405,596**	**317,384**	**887,454**	**23,563**	**71,925**	**1,705,922**	**4,674**
Natural Gas Liquids	**15,937**	**28,520**	**19,627**	**5,372**	**3,834**	**73,290**	**201**
Pentanes plus	2,472	397	253	829	0	3,951	11
Liquefied Petroleum Gases	13,465	28,123	19,374	4,543	3,834	69,339	190
Ethane	179	232	478	1	34	925	3
Propane	8,039	16,314	5,163	2,096	433	32,046	88
Normal Butane	3,148	6,946	8,246	1,467	2,020	21,828	60
Isobutane	2,099	4,631	5,486	978	1,347	14,540	40
Other Liquids [1]	**55,846**	**257**	**68,361**	**0**	**6,879**	**131,343**	**360**
Unfinished Oils [1]	41,514	207	65,943	0	1,634	109,298	299
Naphthas and Lighter	2,793	112	15,949	0	507	19,361	53
Kerosene and Light Gas Oils	2,267	0	0	0	0	2,267	6
Heavy Gas Oils	28,580	0	14,759	0	1,127	44,466	122
Residuum	7,874	95	35,235	0	0	43,204	118
Motor Gasoline Blending Components	14,332	50	2,418	0	5,245	22,045	60
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**440,814**	**10,213**	**53,809**	**1,429**	**20,539**	**526,804**	**1,443**
Finished Motor Gasoline	124,109	1,420	5,751	612	8,312	140,204	384
Finished Leaded Motor Gasoline	10,423	52	148	180	2,287	13,090	36
Finished Unleaded Motor Gasoline	113,686	1,368	5,603	432	6,025	127,114	348
Finished Aviation Gasoline	0	0	37	0	66	103	(s)
Naphtha-Type Jet Fuel	195	943	0	0	34	1,172	3
Kerosene-Type Jet Fuel	17,630	1,672	561	0	3,462	23,325	64
Bonded Aircraft Fuel	10,457	1,672	306	0	2,350	14,785	41
Other	7,173	0	255	0	1,112	8,540	23
Kerosene	3,537	0	2,797	0	0	6,334	17
Distillate Fuel Oil	84,822	3,394	2,855	804	1,301	93,176	255
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	84,822	3,394	2,855	804	1,301	93,176	255
Residual Fuel Oil	192,337	1,316	9,702	10	2,773	206,138	565
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	192,337	1,316	9,702	10	2,773	206,138	565
Naphtha < 400 Deg. for Petro. Feed. Use	2,033	442	22,648	0	831	25,954	71
Other Oils > 400 Deg. for Petro. Feed. Use	289	0	2,054	0	588	2,931	8
Special Naphthas	624	603	5,965	0	122	7,314	20
Lubricants	3,825	143	718	0	568	5,254	14
Waxes	314	145	36	3	45	543	1
Petroleum Coke	76	0	126	0	239	441	1
Asphalt and Road Oil	10,521	82	472	0	2,196	13,271	36
Miscellaneous Products	502	53	87	0	2	644	2
Total Imports	**918,193**	**356,374**	**1,029,251**	**30,364**	**103,177**	**2,437,359**	**6,678**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	41,932	11,235	6,427	0	0	0	0	6,818	23,156	0	18,049	65,685	107,617	295
Iraq	29,842	0	163	0	0	0	0	216	0	0	0	379	30,221	83
Kuwait	25,630	1,436	3,593	0	0	0	0	0	10	0	0	5,039	30,669	84
Saudi Arabia	234,213	2,669	19,030	0	11,511	3,208	0	254	1,157	35	2,140	40,004	274,217	751
United Arab Emirates	20,602	569	1,029	0	0	0	0	0	0	0	0	1,598	22,200	61
Subtotal Arab OPEC	352,219	15,909	30,242	0	11,511	3,208	0	7,288	24,323	35	20,189	112,705	464,924	1,274
Other OPEC														
Ecuador	8,217	0	385	0	0	0	0	0	2,118	0	0	2,503	10,720	29
Gabon	12,655	0	0	0	0	0	0	0	0	0	0	0	12,655	35
Indonesia	95,775	0	4,196	533	0	1	0	0	3,469	0	0	8,199	103,974	285
Iran	35,942	0	0	0	0	0	0	0	0	0	0	0	35,942	98
Nigeria	193,004	0	1,156	0	0	0	0	0	1,046	0	67	2,269	195,273	535
Venezuela	178,163	3,693	9,790	1,887	25,224	7,598	0	32,814	25,778	0	8,619	115,403	293,566	804
Subtotal Other OPEC	523,756	3,693	15,527	2,420	25,224	7,599	0	32,814	32,411	0	8,686	128,374	652,130	1,787
Other														
Angola	65,657	0	377	0	0	0	0	0	4,140	0	0	4,517	70,174	192
Argentina	712	259	0	0	0	0	0	0	1,875	760	96	2,990	3,702	10
Australia	17,952	1,573	50	0	0	0	0	0	1,296	0	335	3,254	21,206	58
Bahama Islands	0	0	0	0	0	159	0	1,015	12,252	0	15	13,441	13,441	37
Belgium	0	0	4,387	0	5,429	0	0	529	5,085	5	35	15,470	15,470	42
Benin	1,107	0	0	0	0	0	0	0	0	0	0	0	1,107	3
Bermuda	0	0	9	0	0	0	0	0	0	0	0	9	9	(s)
Brazil	0	143	0	417	22,945	0	0	0	6,638	314	214	30,671	30,671	84
Brunei	1,317	0	0	0	0	0	0	0	0	0	0	0	1,317	4
Bulgaria	0	0	0	0	0	0	0	193	0	0	0	193	193	1
Cameroon	15,502	0	0	0	0	0	0	0	2,994	0	0	2,994	18,496	51
Canada	221,981	40,250	2,718	100	10,264	2,713	336	17,710	7,630	1,345	4,505	87,570	309,551	848
China, People's Republic	22,953	0	0	4,565	1,938	0	0	0	0	0	562	7,065	30,018	82
China, Taiwan	0	24	0	0	0	0	0	0	0	0	225	249	249	1
Colombia	41,809	0	261	0	0	0	0	485	11,257	17	272	12,292	54,101	148
Congo	5,960	0	0	0	0	0	0	0	1,438	0	0	1,438	7,398	20
Denmark	0	(s)	0	0	0	0	0	0	258	0	57	315	315	1
Egypt	19,884	0	0	0	0	0	0	0	0	0	25	25	19,909	55
Finland	0	0	0	0	162	0	0	0	0	0	0	162	162	(s)
France	0	90	492	0	1,091	0	0	289	356	86	691	3,095	3,095	8
Germany, DR (E)	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Germany, FD (W)	0	14	225	0	216	0	0	0	211	82	56	804	804	2
Ghana	0	0	146	0	0	0	0	0	415	0	0	561	561	2
Greece	0	0	333	0	2,076	0	0	195	726	0	0	3,330	3,330	9
Guatemala	1,080	0	0	0	0	0	0	0	0	0	0	0	1,080	3
Hungary	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
India	0	0	5,568	288	0	0	0	0	0	3,809	270	9,935	9,935	27
Ireland	0	0	236	0	0	0	0	0	0	0	0	236	236	1
Israel	0	0	0	0	794	0	0	472	0	75	0	1,341	1,341	4
Italy	210	44	6,640	0	8,456	272	0	1,360	1,797	0	930	19,499	19,709	54
Ivory Coast	0	0	0	0	0	0	0	0	0	0	140	140	140	(s)
Jamaica	0	0	0	0	0	0	0	0	159	0	0	159	159	(s)
Japan	0	47	0	61	0	0	0	0	0	84	582	774	774	2

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Jordan	0	0	0	0	0	0	0	0	302	0	0	302	302	1
Korea, Republic	0	5	357	245	86	485	0	0	0	3	183	1,365	1,365	4
Liberia	0	0	0	0	0	0	0	259	0	0	0	259	259	1
Malaysia	4,464	0	0	0	0	0	0	0	120	0	0	120	4,584	13
Mauritania	0	0	0	0	0	0	0	0	289	0	0	289	289	1
Mexico	219,552	4,348	1,266	647	0	2,304	0	2,042	4,534	1	4,274	19,416	238,968	655
Netherlands Antilles	0	32	150	0	1,909	637	0	962	6,426	0	371	10,487	10,487	29
Netherlands	0	214	1,470	359	12,590	0	0	2,513	4,051	312	557	22,066	22,066	60
Norway	25,395	882	1,383	0	339	0	0	313	998	0	24	3,939	29,334	80
Oman	12,831	0	449	0	0	0	0	0	0	0	0	449	13,280	36
Pakistan	0	0	0	0	0	0	0	0	0	0	94	94	94	(s)
Panama	0	0	210	0	0	0	0	0	456	0	0	666	666	2
Peru	379	0	602	0	0	0	0	0	9,273	0	0	9,875	10,254	28
Portugal	0	0	0	0	0	0	0	0	0	0	49	49	49	(s)
Puerto Rico	0	0	1,469	0	0	0	0	118	0	0	6,242	7,829	7,829	21
Romania	0	0	1,931	8,272	7,324	0	0	931	997	0	251	19,706	19,706	54
Singapore	561	0	3,078	17	301	795	0	0	5,403	0	353	9,947	10,508	29
South Africa	0	0	0	0	0	0	0	29	0	0	72	101	101	(s)
Spain	0	157	3,552	604	6,953	642	0	0	6,382	0	1,729	20,019	20,019	55
Sweden	0	0	797	0	682	0	0	0	485	0	292	2,256	2,256	6
Switzerland	0	6	0	0	0	0	0	0	0	0	5	11	11	(s)
Syria	568	0	2,092	0	0	0	0	0	1,000	0	0	3,092	3,660	10
Thailand	3,477	0	0	0	0	0	0	0	0	0	0	0	3,477	10
Togo	0	0	72	0	0	0	0	0	140	0	0	212	212	1
Trinidad and Tobago	27,408	0	0	0	522	324	0	1,038	9,580	0	0	11,464	38,872	106
Tunisia	0	0	0	0	961	0	0	0	183	0	0	1,144	1,144	3
Turkey	0	0	958	204	0	0	0	0	0	0	488	1,650	1,650	5
United Kingdom	111,060	1,642	2,039	0	6,335	397	0	1,820	5,086	3	135	17,456	128,516	352
U.S.S.R.	0	0	335	0	258	84	0	1,943	1,032	245	0	3,897	3,897	11
Uruguay	0	7	0	0	0	0	0	0	0	0	0	7	7	(s)
Virgin Islands	0	0	19,877	3,846	11,838	4,878	5,998	18,647	34,140	138	72	99,434	99,434	272
Yugoslavia	0	0	0	0	0	0	0	211	0	0	0	211	211	1
Zaire	8,128	0	0	0	0	0	0	0	0	0	0	0	8,128	22
Subtotal Other	829,947	49,736	63,529	19,625	103,469	13,691	6,334	53,074	149,404	7,279	24,217	490,358	1,320,305	3,617
Total Imports	**1,705,922**	**69,339**	**109,298**	**22,045**	**140,204**	**24,497**	**6,334**	**93,176**	**206,138**	**7,314**	**53,092**	**731,437**	**2,437,359**	**6,678**
							PAD District I							
Arab OPEC														
Algeria	7,311	4,446	5,457	0	0	0	0	6,818	22,088	0	0	38,809	46,120	126
Iraq	811	0	0	0	0	0	0	216	0	0	0	216	1,027	3
Kuwait	555	358	0	0	0	0	0	0	0	0	0	358	913	3
Saudi Arabia	38,518	335	734	0	8,826	2,802	0	254	504	0	0	13,455	51,973	142
United Arab Emirates	2,748	0	0	0	0	0	0	0	0	0	0	0	2,748	8
Subtotal Arab OPEC	49,943	5,139	6,191	0	8,826	2,802	0	7,288	22,592	0	0	52,838	102,781	282

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other OPEC														
Ecuador	3,308	0	385	0	0	0	0	0	2,118	0	0	2,503	5,811	16
Gabon	4,946	0	0	0	0	0	0	0	0	0	0	0	4,946	14
Indonesia	17,453	0	728	0	0	0	0	0	2,672	0	0	3,400	20,853	57
Iran	452	0	0	0	0	0	0	0	0	0	0	0	452	1
Nigeria	73,917	0	0	0	0	0	0	0	684	0	45	729	74,646	205
Venezuela	38,536	1,759	1,904	938	21,722	5,092	0	31,484	25,419	0	7,399	95,717	134,253	368
Subtotal Other OPEC	138,612	1,759	3,017	938	21,722	5,092	0	31,484	30,893	0	7,444	102,349	240,961	660
Other														
Angola	34,185	0	0	0	0	0	0	0	4,140	0	0	4,140	38,325	105
Argentina	0	259	0	0	0	0	0	0	1,875	174	0	2,308	2,308	6
Australia	2,299	96	0	0	0	0	0	0	542	0	322	960	3,259	9
Bahama Islands	0	0	0	0	0	159	0	745	12,252	0	15	13,171	13,171	36
Belgium	0	0	3,153	0	5,429	0	0	529	4,827	0	0	13,938	13,938	38
Benin	390	0	0	0	0	0	0	0	0	0	0	0	390	1
Brazil	0	0	0	0	21,592	0	0	0	6,638	0	173	28,403	28,403	78
Brunei	130	0	0	0	0	0	0	0	0	0	0	0	130	(s)
Bulgaria	0	0	0	0	0	0	0	193	0	0	0	193	193	1
Cameroon	8,041	0	0	0	0	0	0	0	2,994	0	0	2,994	11,035	30
Canada	20,220	4,510	1,044	0	5,353	1,147	336	12,725	5,954	313	1,776	33,158	53,378	146
China, People's Republic	7,562	0	0	0	312	0	0	0	0	0	57	369	7,931	22
China, Taiwan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Colombia	6,325	0	0	0	0	0	0	485	11,257	0	0	11,742	18,067	49
Congo	1,344	0	0	0	0	0	0	0	1,438	0	0	1,438	2,782	8
Denmark	0	(s)	0	0	0	0	0	0	258	0	57	315	315	1
Egypt	14,432	0	0	0	0	0	0	0	0	0	14	14	14,446	40
Finland	0	0	0	0	162	0	0	0	0	0	0	162	162	(s)
France	0	49	0	0	1,091	0	0	288	356	32	276	2,092	2,092	6
Germany, FD (W)	0	13	225	0	216	0	0	0	211	0	56	721	721	2
Ghana	0	0	146	0	0	0	0	0	415	0	0	561	561	2
Greece	0	0	0	0	2,076	0	0	195	719	0	0	2,990	2,990	8
Hungary	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
India	0	0	207	0	0	0	0	0	0	0	0	207	207	1
Israel	0	0	0	0	794	0	0	239	0	26	0	1,059	1,059	3
Italy	210	(s)	1,462	0	7,921	197	0	1,360	568	0	472	11,981	12,191	33
Ivory Coast	0	0	0	0	0	0	0	0	0	0	140	140	140	(s)
Jamaica	0	0	0	0	0	0	0	0	159	0	0	159	159	(s)
Japan	0	(s)	0	0	0	0	0	0	0	44	147	191	191	1
Korea, Republic	0	5	0	0	0	0	0	0	0	0	0	5	5	(s)
Liberia	0	0	0	0	0	0	0	259	0	0	0	259	259	1
Malaysia	922	0	0	0	0	0	0	0	120	0	0	120	1,042	3
Mauritania	0	0	0	0	0	0	0	0	289	0	0	289	289	1
Mexico	25,693	0	493	162	0	1,646	0	1,591	2,274	0	2,222	8,388	34,081	93
Netherlands Antilles	0	0	150	0	1,647	637	0	962	6,426	0	273	10,095	10,095	28
Netherlands	0	77	738	359	11,821	0	0	2,513	4,051	35	251	19,845	19,845	54
Norway	21,996	760	336	0	339	0	0	0	998	0	0	2,433	24,429	67
Oman	2,018	0	0	0	0	0	0	0	0	0	0	0	2,018	6
Panama	0	0	0	0	0	0	0	0	456	0	0	456	456	1
Peru	379	0	0	0	0	0	0	0	9,273	0	0	9,273	9,652	26

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Portugal	0	0	0	0	0	0	0	0	0	0	18	18	18	(s)
Puerto Rico	0	0	1,469	0	0	0	0	0	0	0	4,455	5,924	5,924	16
Romania	0	0	1,931	8,272	7,324	0	0	931	997	0	251	19,706	19,706	54
Singapore	0	0	1,495	0	0	0	0	0	3,000	0	0	4,495	4,495	12
South Africa	0	0	0	0	0	0	0	0	0	0	35	35	35	(s)
Spain	0	0	2,667	604	6,953	642	0	0	6,382	0	1,495	18,743	18,743	51
Sweden	0	0	262	0	682	0	0	0	485	0	0	1,429	1,429	4
Switzerland	0	6	0	0	0	0	0	0	0	0	5	11	11	(s)
Syria	24	0	0	0	0	0	0	0	646	0	0	646	670	2
Togo	0	0	0	0	0	0	0	0	140	0	0	140	140	(s)
Trinidad and Tobago	4,437	0	0	0	457	324	0	1,038	9,580	0	0	11,399	15,836	43
Tunisia	0	0	0	0	961	0	0	0	183	0	0	1,144	1,144	3
Turkey	0	0	555	204	0	0	0	0	0	0	0	759	759	2
United Kingdom	61,009	790	912	0	6,335	217	0	1,820	4,754	0	34	14,862	75,871	208
U.S.S.R.	0	0	0	0	258	84	0	1,943	567	0	0	2,852	2,852	8
Virgin Islands	0	0	15,061	3,793	11,838	4,878	3,201	18,023	33,628	0	37	90,459	90,459	248
Yugoslavia	0	0	0	0	0	0	0	211	0	0	0	211	211	1
Zaire	5,425	0	0	0	0	0	0	0	0	0	0	0	5,425	15
Subtotal Other	217,041	6,567	32,306	13,394	93,561	9,931	3,537	46,050	138,852	624	12,588	357,410	574,451	1,574
Total Imports	**405,596**	**13,465**	**41,514**	**14,332**	**124,109**	**17,825**	**3,537**	**84,822**	**192,337**	**624**	**20,032**	**512,597**	**918,193**	**2,516**
							PAD District II							
Arab OPEC														
Algeria	7,529	0	0	0	0	0	0	0	0	0	0	0	7,529	21
Iraq	11,702	0	0	0	0	0	0	0	0	0	0	0	11,702	32
Kuwait	1,218	0	0	0	0	0	0	0	0	0	0	0	1,218	3
Saudi Arabia	32,855	0	0	0	0	0	0	0	0	0	0	0	32,855	90
Subtotal Arab OPEC	53,304	0	0	0	0	0	0	0	0	0	0	0	53,304	146
Other OPEC														
Indonesia	245	0	0	0	0	0	0	0	0	0	0	0	245	1
Iran	974	0	0	0	0	0	0	0	0	0	0	0	974	3
Nigeria	41,910	0	0	0	0	0	0	0	0	0	0	0	41,910	115
Venezuela	1,935	0	0	0	0	1,243	0	0	0	0	0	1,243	3,178	9
Subtotal Other OPEC	45,064	0	0	0	0	1,243	0	0	0	0	0	1,243	46,307	127
Other														
Angola	1,831	0	0	0	0	0	0	0	0	0	0	0	1,831	5
Cameroon	659	0	0	0	0	0	0	0	0	0	0	0	659	2
Canada	172,432	28,107	207	50	1,420	943	0	3,394	1,316	603	1,229	37,269	209,701	575
Colombia	1,708	0	0	0	0	0	0	0	0	0	0	0	1,708	5
Egypt	2,430	0	0	0	0	0	0	0	0	0	0	0	2,430	7
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Italy	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Mexico	21,794	0	0	0	0	430	0	0	0	0	0	430	22,224	61
Norway	915	0	0	0	0	0	0	0	0	0	0	0	915	3

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District II (continued)														
Other (continued)														
Oman	377	0	0	0	0	0	0	0	0	0	0	0	377	1
South Africa	0	0	0	0	0	0	0	0	0	0	31	31	31	(s)
Trinidad and Tobago	6,223	0	0	0	0	0	0	0	0	0	0	0	6,223	17
United Kingdom	10,647	7	0	0	0	0	0	0	0	0	2	9	10,656	29
Uruguay	0	7	0	0	0	0	0	0	0	0	0	7	7	(s)
Subtotal Other	219,016	28,123	207	50	1,420	1,373	0	3,394	1,316	603	1,262	37,748	256,764	703
Total Imports	**317,384**	**28,123**	**207**	**50**	**1,420**	**2,615**	**0**	**3,394**	**1,316**	**603**	**1,262**	**38,990**	**356,374**	**976**
PAD District III														
Arab OPEC														
Algeria	27,092	6,789	970	0	0	0	0	0	1,068	0	18,049	26,876	53,968	148
Iraq	17,329	0	163	0	0	0	0	0	0	0	0	163	17,492	48
Kuwait	23,857	1,078	3,593	0	0	0	0	0	10	0	0	4,681	28,538	78
Saudi Arabia	162,840	2,334	18,296	0	135	0	0	0	653	35	2,139	23,592	186,432	511
United Arab Emirates	17,854	490	1,029	0	0	0	0	0	0	0	0	1,519	19,373	53
Subtotal Arab OPEC	248,972	10,691	24,051	0	135	0	0	0	1,731	35	20,188	56,831	305,803	838
Other OPEC														
Ecuador	4,909	0	0	0	0	0	0	0	0	0	0	0	4,909	13
Gabon	7,709	0	0	0	0	0	0	0	0	0	0	0	7,709	21
Indonesia	27,766	0	3,217	533	0	0	0	0	797	0	0	4,547	32,313	89
Iran	34,516	0	0	0	0	0	0	0	0	0	0	0	34,516	95
Nigeria	77,177	0	1,156	0	0	0	0	0	362	0	22	1,540	78,717	216
Venezuela	137,692	1,934	7,886	949	3,502	332	0	1,115	359	0	248	16,325	154,017	422
Subtotal Other OPEC	289,769	1,934	12,259	1,482	3,502	332	0	1,115	1,518	0	270	22,412	312,181	855
Other														
Angola	29,641	0	377	0	0	0	0	0	0	0	0	377	30,018	82
Argentina	712	0	0	0	0	0	0	0	0	586	96	682	1,394	4
Australia	6,363	972	50	0	0	0	0	0	501	0	13	1,536	7,899	22
Belgium	0	0	1,234	0	0	0	0	0	258	0	35	1,527	1,527	4
Benin	717	0	0	0	0	0	0	0	0	0	0	0	717	2
Bermuda	0	0	9	0	0	0	0	0	0	0	0	9	9	(s)
Brazil	0	143	0	17	1,353	0	0	0	0	314	41	1,868	1,868	5
Cameroon	6,802	0	0	0	0	0	0	0	0	0	0	0	6,802	19
Canada	1,122	1	1,464	50	224	0	0	0	240	331	359	2,669	3,791	10
China, People's Republic	15,389	0	0	0	0	0	0	0	0	0	445	445	15,834	43
Colombia	33,776	0	261	0	0	0	0	0	0	17	272	550	34,326	94
Congo	4,616	0	0	0	0	0	0	0	0	0	0	0	4,616	13
Egypt	3,022	0	0	0	0	0	0	0	0	0	11	11	3,033	8
France	0	42	492	0	0	0	0	1	0	54	415	1,004	1,004	3
Germany, DR (E)	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Germany, FD (W)	0	0	0	0	0	0	0	0	0	77	0	77	77	(s)
Greece	0	0	333	0	0	0	0	0	0	0	0	333	333	1
Guatemala	1,080	0	0	0	0	0	0	0	0	0	0	0	1,080	3
India	0	0	5,108	288	0	0	0	0	0	3,809	270	9,475	9,475	26

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Ireland	0	0	236	0	0	0	0	0	0	0	0	236	236	1
Israel	0	0	0	0	0	0	0	233	0	42	0	275	275	1
Italy	0	41	4,770	0	282	0	0	0	1,229	0	458	6,780	6,780	19
Japan	0	37	0	43	0	0	0	0	0	40	147	267	267	1
Jordan	0	0	0	0	0	0	0	0	302	0	0	302	302	1
Korea, Republic	0	0	357	0	0	0	0	0	0	0	0	357	357	1
Mexico	172,065	4,348	773	485	0	229	0	451	2,260	1	428	8,975	181,040	496
Netherlands Antilles	0	32	0	0	0	0	0	0	0	0	98	130	130	(s)
Netherlands	0	126	732	0	107	0	0	0	0	273	306	1,544	1,544	4
Norway	2,484	122	1,047	0	0	0	0	313	0	0	24	1,506	3,990	11
Oman	10,436	0	449	0	0	0	0	0	0	0	0	449	10,885	30
Pakistan	0	0	0	0	0	0	0	0	0	0	94	94	94	(s)
Panama	0	0	210	0	0	0	0	0	0	0	0	210	210	1
Peru	0	0	602	0	0	0	0	0	0	0	0	602	602	2
Portugal	0	0	0	0	0	0	0	0	0	0	31	31	31	(s)
Puerto Rico	0	0	0	0	0	0	0	118	0	0	1,504	1,622	1,622	4
Singapore	262	0	1,346	0	148	0	0	0	0	0	0	1,494	1,756	5
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Spain	0	157	665	0	0	0	0	0	0	0	234	1,056	1,056	3
Sweden	0	0	535	0	0	0	0	0	0	0	292	827	827	2
Syria	544	0	2,092	0	0	0	0	0	354	0	0	2,446	2,990	8
Thailand	827	0	0	0	0	0	0	0	0	0	0	0	827	2
Togo	0	0	72	0	0	0	0	0	0	0	0	72	72	(s)
Trinidad and Tobago	16,748	0	0	0	0	0	0	0	0	0	0	0	16,748	46
Turkey	0	0	403	0	0	0	0	0	0	0	253	656	656	2
United Kingdom	39,404	727	1,127	0	0	0	0	0	332	3	99	2,288	41,692	114
U.S.S.R.	0	0	335	0	0	0	0	0	465	245	0	1,045	1,045	3
Virgin Islands	0	0	4,554	53	0	0	2,797	624	512	138	35	8,713	8,713	24
Zaire	2,703	0	0	0	0	0	0	0	0	0	0	0	2,703	7
Subtotal Other	348,713	6,749	29,633	936	2,114	229	2,797	1,740	6,453	5,930	5,973	62,554	411,267	1,127
Total Imports	**887,454**	**19,374**	**65,943**	**2,418**	**5,751**	**561**	**2,797**	**2,855**	**9,702**	**5,965**	**26,431**	**141,797**	**1,029,251**	**2,820**
							PAD District IV							
Other														
Canada	23,563	4,543	0	0	612	0	0	804	10	0	832	6,801	30,364	83
United Kingdom	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Subtotal Other	23,563	4,543	0	0	612	0	0	804	10	0	832	6,801	30,364	83
Total Imports	**23,563**	**4,543**	**0**	**0**	**612**	**0**	**0**	**804**	**10**	**0**	**832**	**6,801**	**30,364**	**83**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	2,550	406	0	0	0	0	1	2,957	2,957	8
United Arab Emirates	0	79	0	0	0	0	0	0	0	0	0	79	79	(s)
Subtotal Arab OPEC	0	79	0	0	2,550	406	0	0	0	0	1	3,036	3,036	8
Other OPEC														
Indonesia	50,311	0	251	0	0	1	0	0	0	0	0	252	50,563	139
Venezuela	0	0	0	0	0	931	0	215	0	0	972	2,118	2,118	6
Subtotal Other OPEC	50,311	0	251	0	0	932	0	215	0	0	972	2,370	52,681	144
Other														
Australia	9,290	505	0	0	0	0	0	0	253	0	0	758	10,048	28
Bahama Islands	0	0	0	0	0	0	0	270	0	0	0	270	270	1
Belgium	0	0	0	0	0	0	0	0	0	5	0	5	5	(s)
Brazil	0	0	0	400	0	0	0	0	0	0	0	400	400	1
Brunei	1,187	0	0	0	0	0	0	0	0	0	0	0	1,187	3
Canada	4,644	3,088	3	0	2,655	623	0	787	110	98	309	7,673	12,317	34
China, People's Republic	2	0	0	4,565	1,626	0	0	0	0	0	60	6,251	6,253	17
China, Taiwan	0	24	0	0	0	0	0	0	0	0	225	249	249	1
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	5	0	5	5	(s)
Greece	0	0	0	0	0	0	0	0	7	0	0	7	7	(s)
India	0	0	253	0	0	0	0	0	0	0	0	253	253	1
Israel	0	0	0	0	0	0	0	0	0	7	0	7	7	(s)
Italy	0	0	408	0	253	75	0	0	0	0	0	736	736	2
Japan	0	9	0	18	0	0	0	0	0	0	288	315	315	1
Korea, Republic	0	1	0	245	86	485	0	0	0	3	183	1,003	1,003	3
Malaysia	3,542	0	0	0	0	0	0	0	0	0	0	0	3,542	10
Mexico	0	0	0	0	0	0	0	0	0	0	1,624	1,624	1,624	4
Netherlands Antilles	0	0	0	0	262	0	0	0	0	0	0	262	262	1
Netherlands	0	10	0	0	662	0	0	0	0	4	0	676	676	2
Puerto Rico	0	0	0	0	0	0	0	0	0	0	283	283	283	1
Singapore	299	0	237	17	153	795	0	0	2,403	0	353	3,958	4,257	12
South Africa	0	0	0	0	0	0	0	29	0	0	2	31	31	(s)
Spain	0	0	220	0	0	0	0	0	0	0	0	220	220	1
Thailand	2,650	0	0	0	0	0	0	0	0	0	0	0	2,650	7
Trinidad and Tobago	0	0	0	0	65	0	0	0	0	0	0	65	65	(s)
Turkey	0	0	0	0	0	0	0	0	0	0	235	235	235	1
United Kingdom	0	118	0	0	0	180	0	0	0	0	0	298	298	1
Virgin Islands	0	0	262	0	0	0	0	0	0	0	0	262	262	1
Subtotal Other	21,614	3,755	1,383	5,245	5,762	2,159	0	1,086	2,773	122	3,562	25,846	47,460	130
Total Imports	**71,925**	**3,834**	**1,634**	**5,245**	**8,312**	**3,496**	**0**	**1,301**	**2,773**	**122**	**4,535**	**31,252**	**103,177**	**283**

1 Crude Oil and unfinished oils are reported by the PAD District in which they are to be processed, all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	(s)	5,955	0	0	49,009	54,964	151
Natural Gas Liquids	315	5,509	7,278	236	1,285	14,622	40
Pentanes Plus	0	718	0	0	0	718	2
Liquefied Petroleum Gases	315	4,791	7,278	236	1,285	13,904	38
Ethane	3	1,436	2	0	2	1,444	4
Propane	190	1,343	6,771	95	518	8,917	24
Normal Butane	122	1,293	504	140	765	2,825	8
Isobutane	0	718	0	0	0	718	2
Finished Motor Gasoline	244	512	7,583	6	4,342	12,688	35
Naphtha-Type Jet Fuel	4	66	47	1	245	362	1
Kerosene-Type Jet Fuel	175	75	6,868	1	1,398	8,517	23
Kerosene	82	211	127	2	23	444	1
Distillate Fuel Oil	441	230	10,277	2	13,060	24,010	66
Residual Fuel Oil	233	1	19,725	0	47,903	67,862	186
Naphtha < 400 Deg. for Petro. Feed. Use	416	191	333	8	456	1,404	4
Other Oils > 400 Deg. for Petro. Feed. Use	86	449	3,767	0	1,551	5,853	16
Special Naphthas	91	39	510	1	124	765	2
Lubricants	2,117	504	4,444	52	1,207	8,323	23
Waxes	73	136	233	(s)	120	562	2
Petroleum Coke	2,022	1,619	42,400	1	31,536	77,579	213
Asphalt	9	81	28	10	199	328	1
Miscellaneous Products	189	18	191	2	47	447	1
Total Product Exports	6,497	9,642	103,812	323	103,493	223,767	613
Total Exports	**6,497**	**15,597**	**103,812**	**323**	**152,502**	**278,731**	**764**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Destination	Crude Oil 1	LPG	Finished Motor Gasoline	Jet Fuel	Dist Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other2	Total	Total (Daily Average)
Argentina	0	20	0	0	479	1,004	2	13	2	54	0	117	1,692	5
Australia	202	11	540	83	791	1,666	32	206	3	2,165	1	49	5,749	16
Bahamas	0	96	627	559	2,332	6,449	0	62	0	0	1	2	10,127	28
Bahrain	0	2	0	0	0	0	(s)	1	0	366	0	1	370	1
Belgium & Luxembourg	0	452	(s)	0	0	0	22	171	3	5,687	(s)	17	6,353	17
Brazil	0	3	65	0	100	0	18	70	(s)	300	(s)	12	568	2
Cameroon	0	0	0	0	0	0	0	(s)	(s)	177	(s)	(s)	178	(s)
Canada	5,988	5,106	1,078	3,817	2,489	3,578	349	1,422	176	4,102	278	1,853	30,235	83
Chile	0	3	0	0	132	6	3	167	1	(s)	(s)	10	321	1
China, Taiwan	360	23	147	0	1,081	3,605	1	358	20	417	(s)	135	6,147	17
Colombia	0	1	0	0	0	0	3	93	1	(s)	0	17	116	(s)
Costa Rica	0	2	11	0	0	0	17	89	1	(s)	20	65	204	1
Denmark	0	4	0	0	0	0	0	1	(s)	1,181	1	5	1,192	3
Dominican Republic	0	218	75	0	61	(s)	7	59	(s)	1	0	6	427	1
Ecuador	0	93	0	0	218	0	3	158	2	0	(s)	9	483	1
Egypt	0	7	0	0	0	0	0	46	(s)	132	(s)	12	197	1
El Salvador	0	14	96	6	25	(s)	2	59	(s)	1	(s)	2	205	1
Finland	0	0	0	0	0	0	0	25	(s)	0	(s)	1	26	(s)
France	0	5	(s)	0	350	0	1	184	28	2,842	(s)	1,142	4,554	12
French Pacific Isl	0	(s)	0	0	0	723	0	2	0	0	0	(s)	726	2
Ghana	0	0	0	0	0	0	0	1	0	315	(s)	(s)	317	1
Greece	0	3	0	0	0	0	1	35	(s)	748	0	1	787	2
Guatemala	0	305	813	158	999	0	14	106	4	(s)	(s)	4	2,403	7
Guinea	0	(s)	0	0	0	0	0	17	0	0	(s)	(s)	17	(s)
Honduras	0	28	10	0	138	0	5	70	1	0	0	7	258	1
Hong Kong	0	1	0	0	(s)	0	1	17	2	0	(s)	7	29	(s)
India	0	10	0	0	0	0	2	77	2	0	0	52	143	(s)
Indonesia	0	(s)	0	0	0	0	0	38	(s)	214	(s)	10	262	1
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Israel	0	1	21	0	0	0	1	5	(s)	1	(s)	11	39	(s)
Italy	0	154	0	0	583	1,863	17	35	6	11,492	1	1,158	15,308	42
Ivory Coast	0	0	0	0	0	0	0	59	(s)	0	(s)	0	59	(s)
Jamaica	0	241	81	10	321	3,206	1	81	3	0	0	12	3,957	11
Japan	0	84	5,608	2,625	6,557	8,364	163	372	25	19,318	1	683	43,799	120
Jordan	0	1	0	0	0	0	0	10	0	0	0	1	11	(s)
Korea, Republic	543	90	39	0	1,953	5,089	20	81	32	763	(s)	519	9,130	25
Kuwait	0	3	0	0	0	0	(s)	10	0	0	(s)	2	16	(s)
Lebanon	0	0	0	0	0	0	0	2	(s)	0	0	1	2	(s)
Liberia	0	(s)	0	0	0	0	0	2	0	0	(s)	(s)	2	(s)
Malaysia	0	(s)	0	0	0	209	0	5	8	17	(s)	141	379	1
Mexico	0	5,681	1,446	487	115	15,510	20	1,174	164	830	3	115	25,544	70
Netherlands	0	145	17	281	930	206	13	76	5	11,978	2	661	14,312	39
Netherlands Antilles	0	(s)	9	3	407	5,917	(s)	236	(s)	0	0	26	6,599	18
New Zealand	0	(s)	540	0	0	0	5	31	3	483	(s)	10	1,072	3
Nigeria	0	2	0	0	0	0	0	5	0	0	(s)	2	8	(s)
Norway	0	9	0	0	0	0	0	3	(s)	678	(s)	2	692	2
Pacific Trust Terr	0	2	0	0	0	0	0	1	0	0	(s)	(s)	3	(s)
Panama	0	99	231	0	383	898	5	314	(s)	(s)	(s)	7	1,937	5
Peru	0	153	30	566	873	0	(s)	179	1	(s)	(s)	9	1,811	5
Philippines	0	27	0	0	0	0	2	16	4	(s)	0	212	260	1
Puerto Rico	6,190	57	905	0	43	463	5	215	14	1	(s)	85	7,979	22
Rep of South Africa	0	225	0	0	0	0	0	5	(s)	342	1	3	576	2
Saudi Arabia	0	66	0	0	0	0	1	44	0	2	1	24	139	(s)

See footnotes at end of table

Table 17. Exports of Crude Oil and Petroleum Products by Destination, 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Singapore	0	4	0	0	576	3,591	5	66	1	25	(s)	332	4,600	13
Spain	0	1	0	0	1,315	3,464	(s)	20	(s)	6,017	(s)	675	11,493	31
Surinam	0	108	0	0	0	672	0	6	0	11	0	2	799	2
Sweden	0	1	0	59	0	0	0	13	2	407	1	65	547	1
Switzerland	0	5	0	0	0	0	(s)	8	(s)	2	(s)	1	16	(s)
Thailand	0	2	0	0	0	0	1	22	6	(s)	(s)	256	286	1
Trinidad and Tobago	0	1	0	0	1	0	1	3	(s)	0	0	3	10	(s)
Turkey	0	0	0	0	0	0	(s)	26	(s)	1,905	0	6	1,937	5
United Arab Emirates	0	4	0	0	1	0	(s)	105	(s)	480	0	2	593	2
United Kingdom	7	71	44	(s)	247	566	1	136	4	1,242	11	37	2,366	6
U.S.S.R.	0	0	0	0	0	0	0	923	0	629	0	79	1,631	4
Uruguay	0	0	0	0	0	0	(s)	11	(s)	0	0	1	12	(s)
Venezuela	0	5	0	2	1	1	17	28	3	1,053	0	14	1,124	3
Virgin Islands	41,674	(s)	18	0	1	0	(s)	16	0	0	0	14	41,724	114
West Germany	0	88	1	0	0	0	3	288	32	674	3	63	1,152	3
Yugoslavia	0	0	0	0	0	0	0	(s)	(s)	381	0	0	381	1
Other	0	166	238	224	509	811	(s)	145	1	145	1	98	2,337	6
Total	**54,964**	**13,904**	**12,688**	**8,879**	**24,010**	**67,862**	**765**	**8,323**	**562**	**77,579**	**328**	**8,867**	**278,731**	**764**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,298	--	--	--	12,662	--	--	--	--	--	44,773	1,960	22,158	95,851
Tank Farms and Pipelines	--	--	1,197	--	--	--	58,948	--	--	--	--	--	95,750	9,395	39,323	204,613
Leases	--	--	40	--	--	--	1,433	--	--	--	--	--	17,047	1,175	1,482	21,177
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	540,648	0	0	540,648
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	27,354	27,354
Total	--	--	15,535	--	--	--	73,043	--	--	--	--	--	698,218	12,530	90,317	889,643
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,206	3,147	46,353	36,113	6,378	16,086	58,577	10,747	70,977	47,712	5,756	1,121	136,313	10,904	61,216	313,363
Bulk Terminal	--	--	108,953	--	--	--	74,845	--	--	--	--	--	69,078	3,098	24,792	280,766
Pipeline	--	--	27,348	--	--	--	35,503	--	--	--	--	--	44,279	2,624	5,032	114,786
Natural Gas Processing Plant	128	43	171	602	40	1,616	2,258	1,070	2,561	2,318	96	121	6,166	178	120	8,893
Total	--	--	182,825	--	--	--	171,183	--	--	--	--	--	255,836	16,804	91,160	717,808
Pentanes Plus																
Refinery	19	0	19	72	56	107	235	296	210	111	2	22	641	1	17	913
Bulk Terminal	--	--	20	--	--	--	1,479	--	--	--	--	--	1,196	0	9	2,704
Pipeline	--	--	0	--	--	--	725	--	--	--	--	--	699	82	0	1,506
Natural Gas Processing Plant	6	8	14	25	14	313	352	321	301	764	32	30	1,448	71	17	1,902
Total	--	--	53	--	--	--	2,791	--	--	--	--	--	3,984	154	43	7,025
Liquefied Petroleum Gases																
Refinery	954	10	964	2,080	118	624	2,822	1,478	2,299	2,565	26	18	6,386	323	519	11,014
Bulk Terminal	--	--	2,351	--	--	--	17,807	--	--	--	--	--	41,427	73	1,638	63,296
Pipeline	--	--	2,145	--	--	--	7,206	--	--	--	--	--	6,046	431	0	15,828
Natural Gas Processing Plant	122	35	157	577	26	1,303	1,906	724	2,256	1,550	62	91	4,683	107	103	6,956
Total	--	--	5,617	--	--	--	29,741	--	--	--	--	--	58,542	934	2,260	97,094
Ethane																
Refinery	0	0	0	1	0	0	1	36	250	0	0	0	286	0	0	287
Bulk Terminal	--	--	2	--	--	--	3,280	--	--	--	--	--	13,804	0	0	17,086
Pipeline	--	--	0	--	--	--	1,476	--	--	--	--	--	2,294	126	0	3,896
Natural Gas Processing Plant	0	0	0	15	0	125	140	81	654	109	1	5	850	2	0	992
Total	--	--	2	--	--	--	4,897	--	--	--	--	--	17,234	128	0	22,261

See footnotes at end of table

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	693	2	695	1,338	26	159	1,523	715	797	1,137	5	2	2,656	77	156	5,107
Bulk Terminal	--	--	1,918	--	--	--	11,010	--	--	--	--	--	17,095	73	431	30,527
Pipeline	--	--	2,036	--	--	--	4,216	--	--	--	--	--	2,636	170	0	9,058
Natural Gas Processing Plant	83	22	105	518	18	832	1,368	384	781	239	22	49	1,475	65	87	3,100
Total	--	--	4,754	--	--	--	18,117	--	--	--	--	--	23,862	385	674	47,792
Normal Butane																
Refinery	189	8	197	514	46	325	885	442	575	1,134	7	9	2,167	162	295	3,706
Bulk Terminal	--	--	429	--	--	--	1,846	--	--	--	--	--	5,920	0	966	9,161
Pipeline	--	--	109	--	--	--	1,066	--	--	--	--	--	786	88	0	2,049
Natural Gas Processing Plant	35	7	42	25	8	260	293	207	465	523	24	27	1,246	35	10	1,626
Total	--	--	777	--	--	--	4,090	--	--	--	--	--	10,119	285	1,271	16,542
Isobutane																
Refinery	72	0	72	227	46	140	413	285	677	294	14	7	1,277	84	68	1,914
Bulk Terminal	--	--	2	--	--	--	1,671	--	--	--	--	--	4,608	0	241	6,522
Pipeline	--	--	0	--	--	--	448	--	--	--	--	--	330	47	0	825
Natural Gas Processing Plant	4	6	10	19	0	86	105	52	356	679	15	10	1,112	5	6	1,238
Total	--	--	84	--	--	--	2,637	--	--	--	--	--	7,327	136	315	10,499
Other Hydrocarbons and Alcohol																
Refinery	20	0	20	136	3	47	186	1	144	45	0	3	193	14	14	427
Total	--	--	20	--	--	--	186	--	--	--	--	--	193	14	14	427
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,273	269	3,542	2,262	103	885	3,250	632	6,887	4,059	135	41	11,754	724	4,575	23,845
Kerosene and Light Gas Oils	2,941	150	3,091	1,475	61	497	2,033	363	5,402	2,491	154	2	8,412	259	3,404	17,199
Heavy Gas Oils	3,795	220	4,015	3,090	209	1,920	5,219	619	6,342	6,402	433	123	13,919	967	9,654	33,774
Residuum	943	132	1,075	2,101	2	1,275	3,378	456	4,710	3,265	94	0	8,525	372	5,017	18,367
Total	10,952	771	11,723	8,928	375	4,577	13,880	2,070	23,341	16,217	816	166	42,610	2,322	22,650	93,185

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1987

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,234	112	5,346	5,034	655	1,636	7,325	1,714	6,435	5,772	225	231	14,377	1,697	7,528	36,273
Bulk Terminal	--	--	159	--	--	--	330	--	--	--	--	--	546	27	5	1,067
Pipeline	--	--	0	--	--	--	32	--	--	--	--	--	0	0	0	32
Total	--	--	5,505	--	--	--	7,687	--	--	--	--	--	14,923	1,724	7,533	37,372
Aviation Gasoline Blending Components																
Refinery	0	0	0	152	0	4	156	0	0	69	0	0	69	0	31	256
Total	--	--	0	--	--	--	156	--	--	--	--	--	69	0	31	256
Total Finished Motor Gasoline																
Refinery	8,863	370	9,233	5,783	1,337	3,025	10,145	1,881	11,861	5,764	1,213	200	20,919	2,078	8,608	50,983
Bulk Terminal	--	--	35,537	--	--	--	27,637	--	--	--	--	--	10,011	1,776	11,046	86,007
Pipeline	--	--	12,699	--	--	--	15,715	--	--	--	--	--	20,036	1,201	2,170	51,821
Total	--	--	57,469	--	--	--	53,497	--	--	--	--	--	50,966	5,055	21,824	188,811
Finished Leaded Motor Gasoline																
Refinery	1,604	181	1,785	1,681	429	1,172	3,282	702	2,927	1,230	200	86	5,145	793	2,738	13,743
Bulk Terminal	--	--	8,570	--	--	--	9,699	--	--	--	--	--	3,410	827	4,285	26,791
Pipeline	--	--	2,427	--	--	--	4,854	--	--	--	--	--	4,221	574	507	12,583
Total	--	--	12,782	--	--	--	17,835	--	--	--	--	--	12,776	2,194	7,530	53,117
Finished Unleaded Motor Gasoline																
Refinery	7,259	189	7,448	4,102	908	1,853	6,863	1,179	8,934	4,534	1,013	114	15,774	1,285	5,870	37,240
Bulk Terminal	--	--	26,967	--	--	--	17,938	--	--	--	--	--	6,601	949	6,761	59,216
Pipeline	--	--	10,272	--	--	--	10,861	--	--	--	--	--	15,815	627	1,663	39,238
Total	--	--	44,687	--	--	--	35,662	--	--	--	--	--	38,190	2,861	14,294	135,694
Finished Aviation Gasoline																
Refinery	119	0	119	67	38	16	121	100	332	130	0	0	562	33	128	963
Bulk Terminal	--	--	377	--	--	--	523	--	--	--	--	--	47	21	302	1,270
Pipeline	--	--	0	--	--	--	51	--	--	--	--	--	47	0	0	98
Total	--	--	496	--	--	--	695	--	--	--	--	--	656	54	430	2,331

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	466	0	466	290	32	193	515	364	631	490	57	138	1,680	281	785	3,727
Bulk Terminal	--	--	893	--	--	--	577	--	--	--	--	--	549	6	575	2,600
Pipeline	--	--	202	--	--	--	235	--	--	--	--	--	604	143	445	1,629
Total	--	--	1,561	--	--	--	1,327	--	--	--	--	--	2,833	430	1,805	7,956
Kerosene-Type Jet Fuel																
Refinery	2,082	24	2,106	1,507	183	528	2,218	374	3,455	2,943	60	52	6,884	414	3,919	15,541
Bulk Terminal	--	--	4,208	--	--	--	3,583	--	--	--	--	--	1,661	240	2,519	12,211
Pipeline	--	--	3,977	--	--	--	3,061	--	--	--	--	--	6,174	182	827	14,221
Total	--	--	10,291	--	--	--	8,862	--	--	--	--	--	14,719	836	7,265	41,973
Kerosene																
Refinery	281	93	374	664	102	276	1,042	112	646	527	44	0	1,329	62	199	3,006
Bulk Terminal	--	--	2,793	--	--	--	1,418	--	--	--	--	--	233	30	41	4,515
Pipeline	--	--	170	--	--	--	247	--	--	--	--	--	490	0	19	926
Total	--	--	3,337	--	--	--	2,707	--	--	--	--	--	2,052	92	259	8,447
Distillate Fuel Oils																
Refinery	7,921	501	8,422	5,496	1,624	3,184	10,304	1,109	8,381	4,980	1,079	114	15,663	1,635	4,741	40,765
Bulk Terminal	--	--	37,177	--	--	--	16,298	--	--	--	--	--	5,985	878	5,371	65,709
Pipeline	--	--	8,155	--	--	--	8,040	--	--	--	--	--	9,862	585	1,362	28,004
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	4	3	0	0	7	0	0	7
Total	--	--	53,754	--	--	--	34,642	--	--	--	--	--	31,517	3,098	11,474	134,485
Residual Fuel Oils																
Refinery	3,187	67	3,254	1,465	285	226	1,976	272	3,724	2,355	209	17	6,577	387	6,252	18,446
Bulk Terminal	--	--	19,865	--	--	--	1,062	--	--	--	--	--	5,915	0	1,924	28,766
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	60	0	138	198
Total	--	--	23,119	--	--	--	3,038	--	--	--	--	--	12,552	387	8,314	47,410
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	358	0	358	326	0	81	407	64	1,012	287	8	10	1,381	29	162	2,337
Total	358	0	358	326	0	81	407	64	1,012	287	8	10	1,381	29	162	2,337
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	6	0	6	9	0	0	9	100	1,140	214	0	0	1,454	4	128	1,601
Total	6	0	6	9	0	0	9	100	1,140	214	0	0	1,454	4	128	1,601

See footnotes at end of table.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	581	46	627	209	0	102	311	87	1,154	56	190	0	1,487	7	155	2,587
Bulk Terminal	--	--	659	--	--	--	334	--	--	--	--	--	48	0	26	1,067
Total	--	--	1,286	--	--	--	645	--	--	--	--	--	1,535	7	181	3,654
Lubricants																
Refinery	321	816	1,137	918	0	204	1,122	26	4,233	1,352	433	0	6,044	108	953	9,364
Bulk Terminal	--	--	1,827	--	--	--	1,003	--	--	--	--	--	466	2	609	3,907
Total	--	--	2,964	--	--	--	2,125	--	--	--	--	--	6,510	110	1,562	13,271
Waxes																
Refinery	0	64	64	78	0	21	99	42	222	149	16	0	429	87	104	783
Total	--	--	64	--	--	--	99	--	--	--	--	--	429	87	104	783
Petroleum Coke																
Refinery	520	0	520	360	382	133	875	5	431	2,770	211	0	3,417	31	1,907	6,750
Total	520	0	520	360	382	133	875	5	431	2,770	211	0	3,417	31	1,907	6,750
Asphalt and Road Oil																
Refinery	1,186	229	1,415	2,367	1,174	1,088	4,629	600	850	596	1,166	150	3,362	1,371	2,165	12,942
Bulk Terminal	--	--	2,524	--	--	--	2,676	--	--	--	--	--	433	44	180	5,857
Total	--	--	3,939	--	--	--	7,305	--	--	--	--	--	3,795	1,415	2,345	18,799
Miscellaneous Products																
Refinery	136	44	180	172	14	14	200	52	476	320	1	0	849	20	251	1,500
Bulk Terminal	--	--	563	--	--	--	118	--	--	--	--	--	561	1	547	1,790
Pipeline	--	--	0	--	--	--	191	--	--	--	--	--	261	0	71	523
Natural Gas Processing Plant	0	0	0	0	0	0	0	25	0	1	2	0	28	0	0	28
Total	--	--	743	--	--	--	509	--	--	--	--	--	1,699	21	869	3,841
Total Stocks, All Oils	--	--	**198,360**	--	--	--	**244,226**	--	--	--	--	--	**954,054**	**29,334**	**181,477**	**1,607,451**

[1] Includes 38,395 thousand barrels of domestic crude oil

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."

Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, December 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,355**	**34,415**	**3,167**	**45,599**	**23,119**
Connecticut	448	1,331	172	1,995	334
Delaware, D.C., Maryland	329	1,944	232	2,555	1,516
Florida	1,216	5,227	258	1,853	1,115
Georgia	813	1,872	98	1,202	263
Maine, New Hampshire, Vermont	346	917	199	2,232	445
Massachusetts	340	1,111	96	3,367	2,028
New Jersey	1,466	7,683	178	13,611	9,311
New York	1,192	3,342	405	6,039	4,698
North Carolina	997	1,684	412	1,574	404
Pennsylvania	1,722	5,037	694	5,968	1,771
Rhode Island	120	551	w	1,269	w
South Carolina	564	1,240	195	983	w
Virginia	694	2,350	196	2,834	772
West Virginia	108	126	w	117	w
PAD District II Total	**12,981**	**24,801**	**2,460**	**26,602**	**3,038**
Illinois	2,533	5,101	315	4,420	1,081
Indiana	1,481	3,193	409	3,487	398
Iowa	699	1,083	w	1,277	w
Kansas, Nebraska	1,065	1,642	17	2,761	64
Kentucky	754	837	95	1,232	w
Michigan	1,104	2,690	229	2,507	139
Minnesota	816	1,307	w	1,951	273
Missouri	455	807	w	818	w
North & South Dakota	350	535	w	866	w
Ohio	1,452	3,248	903	2,621	259
Oklahoma	938	1,559	w	2,075	210
Tennessee	774	1,295	88	1,032	246
Wisconsin	560	1,504	w	1,555	64
PAD District III Total	**8,555**	**22,375**	**1,562**	**21,648**	**12,492**
Alabama	541	928	151	900	657
Arkansas	201	261	w	250	w
Louisiana	1,339	4,301	511	4,813	4,512
Mississippi	731	2,150	13	2,154	w
New Mexico	169	214	w	299	17
Texas	5,574	14,521	869	13,232	6,937
PAD District IV Total	**1,620**	**2,234**	**92**	**2,513**	**387**
Colorado	352	672	w	469	w
Idaho	214	150	w	188	w
Montana	462	591	w	770	80
Utah	261	274	w	434	95
Wyoming	331	547	w	652	w
PAD District V Total	**7,023**	**12,631**	**240**	**10,112**	**8,176**
Alaska	421	464	w	1,118	w
Arizona	298	406	w	256	w
California	3,626	8,531	134	5,418	5,954
Hawaii	101	406	w	453	w
Nevada	133	220	w	137	w
Oregon	813	794	w	1,101	193
Washington	1,631	1,810	w	1,629	952
United States Total	**40,534**	**96,456**	**7,521**	**106,474**	**47,212**

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**6,158**	**37,342**	**2,704**	**40,724**	**18,803**
Connecticut	273	1,268	258	2,263	280
Delaware, D.C., Maryland	231	2,054	247	3,453	1,918
Florida	915	5,389	156	2,118	588
Georgia	783	1,910	124	1,407	141
Maine, New Hampshire, Vermont	132	984	187	2,234	734
Massachusetts	77	2,443	82	1,805	1,227
New Jersey	669	7,591	75	11,074	7,507
New York	721	3,653	396	5,545	3,595
North Carolina	635	1,953	327	1,418	541
Pennsylvania	881	4,869	519	5,322	1,445
Rhode Island	30	832	w	711	w
South Carolina	290	1,240	171	891	w
Virginia	453	2,937	119	2,336	338
West Virginia	68	219	w	147	w
PAD District II Total	**10,000**	**26,607**	**1,730**	**23,469**	**3,542**
Illinois	1,973	4,720	260	4,413	1,453
Indiana	1,144	4,218	216	3,120	495
Iowa	473	1,183	w	1,332	w
Kansas, Nebraska	1,117	2,063	43	2,151	57
Kentucky	448	1,139	53	943	w
Michigan	832	2,970	167	2,184	187
Minnesota	488	1,284	w	1,414	346
Missouri	494	1,042	w	864	w
North Dakota, South Dakota	263	491	w	715	w
Ohio	708	3,305	522	2,177	208
Oklahoma	974	1,203	w	1,697	297
Tennessee	475	1,350	66	1,130	205
Wisconsin	611	1,639	w	1,329	27
PAD District III Total	**6,401**	**23,305**	**1,198**	**19,299**	**12,364**
Alabama	406	1,118	95	737	682
Arkansas	193	336	w	202	w
Louisiana	1,233	4,483	405	5,083	4,799
Mississippi	660	2,078	29	1,883	w
New Mexico	218	256	w	267	4
Texas	3,691	15,034	663	11,127	6,695
PAD District IV Total	**1,720**	**2,370**	**42**	**2,271**	**663**
Colorado	474	771	w	352	w
Idaho	183	253	w	245	w
Montana	478	472	w	566	115
Utah	233	311	w	472	139
Wyoming	352	563	w	636	w
PAD District V Total	**6,884**	**15,211**	**205**	**10,684**	**8,970**
Alaska	401	528	w	798	w
Arizona	240	412	w	214	w
California	3,922	10,552	87	6,495	4,658
Hawaii	112	511	w	563	w
Nevada	125	211	w	188	w
Oregon	697	733	w	885	221
Washington	1,387	2,264	w	1,541	2,053
U.S. Total	**31,163**	**104,835**	**5,879**	**96,447**	**44,342**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

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FIRST—CLASS MAIL
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U.S. DEPT. OF ENERGY
PERMIT NO. G 20

FIRST CLASS MAIL

(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**483**	**0**	**0**	**1,613**	**27,291**	**7,338**	**0**	**3,789**	**517,732**	**0**	**0**	**72,253**	**21,468**	**0**	**16,882**	**0**	**203,835**	**0**
Petroleum Products	**82,212**	**1,980**	**0**	**51,782**	**71,602**	**25,626**	**0**	**941,271**	**318,040**	**0**	**21,880**	**17,308**	**12,139**	**15,056**	**0**	**0**	**425**	**0**
Pentanes Plus	0	0	0	0	2,959	0	0	0	10,498	0	0	907	1,385	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	9,851	40,089	1,152	0	23,221	53,596	0	0	7,000	10,754	0	0	0	0	0
Unfinished Oils	0	393	0	0	0	0	0	2,102	82	0	620	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	302	109	0	1,731	21	0	0	1,663	372	0	22	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	55,962	0	0	26,581	16,511	12,737	0	543,184	153,211	0	11,301	5,359	0	10,157	0	0	0	0
Finished Leaded Motor Gasoline	15,290	0	0	5,771	5,126	3,784	0	102,357	39,452	0	4,000	2,504	0	5,066	0	0	0	0
Finished Unleaded Motor Gasoline	40,672	0	0	20,810	11,385	8,953	0	440,827	113,759	0	7,301	2,855	0	5,091	0	0	0	0
Finished Aviation Gasoline	88	0	0	0	0	171	0	2,002	1,335	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	137	0	0	5,541	320	0	3,324	913	0	1,185	0	0	0	0
Kerosene-Type Jet Fuel	3,184	0	0	2,272	1,507	8,899	0	118,020	35,253	0	1,694	57	0	677	0	0	0	0
Kerosene	392	0	0	368	1,186	0	0	6,948	171	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	21,538	0	0	7,270	5,164	2,667	0	217,372	52,580	0	4,339	3,072	0	3,037	0	0	0	0
Residual Fuel Oil	0	43	0	488	3,613	0	0	6,101	428	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	683	212	0	368	167	0	0	214	328	0	0	0	0	0	0	0	0	0
Special Naphthas	0	22	0	0	46	0	0	3,259	1,586	0	34	0	0	0	0	0	0	0
Lubricants	63	828	0	1,033	97	0	0	6,212	4,224	0	546	0	0	0	0	0	425	0
Waxes	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	248	0	1,740	105	0	0	4,552	3,771	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	125	0	80	0	0	0	817	285	0	0	0	0	0	0	0	0	0
Total	**82,695**	**1,980**	**0**	**53,395**	**98,893**	**32,964**	**0**	**945,060**	**835,772**	**0**	**21,880**	**89,561**	**33,607**	**15,056**	**16,882**	**0**	**204,260**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**452**	**27,291**	**7,338**	**0**	**517,670**	**0**	**0**	**72,253**	**21,468**	**0**	**7,242**	**0**
Petroleum Products	**81,018**	**0**	**29,402**	**67,438**	**25,626**	**755,574**	**267,915**	**0**	**20,461**	**17,308**	**12,139**	**15,056**	**0**	**0**
Pentanes Plus	0	0	0	2,959	0	0	10,498	0	0	907	1,385	0	0	0
Liquefied Petroleum Gases	0	0	9,851	39,974	1,152	20,420	53,547	0	0	7,000	10,754	0	0	0
Blending Components														
Motor Gasoline	0	0	1,731	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	55,944	0	14,709	16,511	12,737	440,853	130,819	0	11,301	5,359	0	10,157	0	0
Finished Leaded Motor Gasoline	15,290	0	2,788	5,126	3,784	85,176	32,390	0	4,000	2,504	0	5,066	0	0
Finished Unleaded Motor Gasoline	40,654	0	11,921	11,385	8,953	355,677	98,429	0	7,301	2,855	0	5,091	0	0
Finished Aviation Gasoline	88	0	0	0	171	488	1,224	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	137	0	2,730	320	0	3,324	913	0	1,185	0	0
Kerosene-Type Jet Fuel	3,184	0	1,195	1,507	8,899	98,983	31,085	0	1,694	57	0	677	0	0
Kerosene	392	0	0	1,186	0	6,648	137	0	0	0	0	0	0	0
Distillate Fuel Oil	21,410	0	1,916	5,164	2,667	185,452	40,285	0	4,142	3,072	0	3,037	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**81,018**	**0**	**29,854**	**94,729**	**32,964**	**755,574**	**785,585**	**0**	**20,461**	**89,561**	**33,607**	**15,056**	**7,242**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**483**	**0**	**0**	**1,161**	**0**	**0**	**3,789**	**0**	**3,789**	**0**	**62**	**0**	**16,882**	**0**	**196,593**
Petroleum Products	**1,194**	**1,980**	**0**	**22,380**	**4,164**	**0**	**185,697**	**1,989**	**24,388**	**159,320**	**50,125**	**1,419**	**0**	**0**	**425**
Liquefied Petroleum Gases	0	0	0	0	115	0	2,801	0	0	2,801	49	0	0	0	0
Unfinished Oils	0	393	0	0	0	0	2,102	0	842	1,260	82	620	0	0	0
Motor Gasoline Blending Components	302	109	0	0	21	0	1,663	0	1,549	114	372	22	0	0	0
Finished Motor Gasoline	18	0	0	11,872	0	0	102,331	328	2,440	99,563	22,392	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	2,983	0	0	17,181	72	287	16,822	7,062	0	0	0	0
Finished Unleaded Motor Gasoline	18	0	0	8,889	0	0	85,150	256	2,153	82,741	15,330	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	1,514	0	708	806	111	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	2,811	0	0	2,811	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	1,077	0	0	19,037	0	635	18,402	4,168	0	0	0	0
Kerosene	0	0	0	368	0	0	300	0	152	148	34	0	0	0	0
Distillate Fuel Oil	128	0	0	5,354	0	0	31,920	707	8,035	23,178	12,295	197	0	0	0
Residual Fuel Oil	0	43	0	488	3,613	0	6,101	945	2,803	2,353	428	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	683	212	0	368	167	0	214	9	20	185	328	0	0	0	0
Special Naphthas	0	22	0	0	46	0	3,259	0	1,396	1,863	1,586	34	0	0	0
Lubricants	63	828	0	1,033	97	0	6,212	0	5,019	1,193	4,224	546	0	0	425
Waxes	0	0	0	0	0	0	63	0	63	0	0	0	0	0	0
Asphalt and Road Oil	0	248	0	1,740	105	0	4,552	0	132	4,420	3,771	0	0	0	0
Miscellaneous Products	0	125	0	80	0	0	817	0	594	223	285	0	0	0	0
Total	**1,677**	**1,980**	**0**	**23,541**	**4,164**	**0**	**189,486**	**1,989**	**28,177**	**159,320**	**50,187**	**1,419**	**16,882**	**0**	**197,018**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**22,284**	**483**	**21,801**	**590,468**	**36,242**	**554,226**	**252,594**	**521,521**	**-268,927**	**7,338**	**93,721**	**-86,383**	**0**	**220,717**	**-220,717**
Petroleum Products	**993,053**	**84,192**	**908,861**	**417,560**	**149,010**	**268,550**	**86,146**	**1,281,191**	**-1,195,045**	**25,626**	**44,503**	**-18,877**	**36,936**	**425**	**36,511**
Pentanes Plus	0	0	0	11,405	2,959	8,446	4,344	10,498	-6,154	0	2,292	-2,292	0	0	0
Liquefied Petroleum Gases	33,072	0	33,072	60,596	51,092	9,504	50,843	76,817	-25,974	1,152	17,754	-16,602	0	0	0
Unfinished Oils	2,102	393	1,709	82	0	82	393	2,804	-2,411	0	0	0	620	0	620
Blending Components															
Motor Gasoline	3,394	411	2,983	674	1,752	-1,078	130	2,057	-1,927	0	0	0	22	0	22
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	569,765	55,962	513,803	214,532	55,829	158,703	16,511	707,696	-691,185	12,737	15,516	-2,779	21,458	0	21,458
Finished Leaded Motor Gasoline	108,128	15,290	92,838	57,246	14,681	42,565	5,126	145,809	-140,683	3,784	7,570	-3,786	9,066	0	9,066
Finished Unleaded Motor Gasoline	461,637	40,672	420,965	157,286	41,148	116,138	11,385	561,887	-550,502	8,953	7,946	1,007	12,392	0	12,392
Finished Aviation Gasoline	2,002	88	1,914	1,423	171	1,252	0	3,337	-3,337	171	0	171	0	0	0
Naphtha-Type Jet Fuel	5,541	0	5,541	1,233	137	1,096	137	9,185	-9,048	0	2,098	-2,098	4,509	0	4,509
Kerosene-Type Jet Fuel	120,292	3,184	117,108	38,494	12,678	25,816	1,507	154,967	-153,460	8,899	734	8,165	2,371	0	2,371
Kerosene	7,316	392	6,924	563	1,554	-991	1,186	7,119	-5,933	0	0	0	0	0	0
Distillate Fuel Oil	224,642	21,538	203,104	77,190	15,101	62,089	5,164	274,291	-269,127	2,667	6,109	-3,442	7,376	0	7,376
Residual Fuel Oil	6,589	43	6,546	428	4,101	-3,673	3,656	6,529	-2,873	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	582	895	-313	1,011	535	476	379	542	-163	0	0	0	0	0	0
Special Naphthas	3,259	22	3,237	1,586	46	1,540	68	4,879	-4,811	0	0	0	34	0	34
Lubricants	7,245	891	6,354	4,287	1,130	3,157	1,350	10,982	-9,632	0	0	0	546	425	121
Waxes	63	0	63	0	0	0	0	63	-63	0	0	0	0	0	0
Asphalt and Road Oil	6,292	248	6,044	3,771	1,845	1,926	353	8,323	-7,970	0	0	0	0	0	0
Miscellaneous Products	897	125	772	285	80	205	125	1,102	-977	0	0	0	0	0	0
Total	**1,015,337**	**84,675**	**930,662**	**1,008,028**	**185,252**	**822,776**	**338,740**	**1,802,712**	**-1,463,972**	**32,964**	**138,224**	**-105,260**	**36,936**	**221,142**	**-184,206**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**48,579**	**1,466**	**50,045**	**19,968**	**2,423**	**1,894**	**24,285**	**6,075**	**61,028**	**40,480**	**2,700**	**146**	**110,429**	**3,685**	**134,757**	**323,201**
0.00 to 0.30% Sulfur	9,341	332	9,673	1,020	0	2	1,022	885	2,397	10,158	742	76	14,258	611	12,016	37,580
0.31 to 1.00% Sulfur	29,535	135	29,670	4,885	13	1,292	6,190	3,987	13,283	3,481	1,361	70	22,182	99	22,924	81,065
Greater Than 1.00% Sulfur	9,703	999	10,702	14,063	2,410	600	17,073	1,203	45,348	26,841	597	0	73,989	2,975	99,817	204,556

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, December 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	277	43	320	51	0	0	51	61	303	535	4	10	913	60	435	1,779
Bulk Terminal	--	--	6,375	--	--	--	176	--	--	--	--	--	0	0	0	6,551
Total	**--**	**--**	**6,695**	**--**	**--**	**--**	**227**	**--**	**--**	**--**	**--**	**--**	**913**	**60**	**435**	**8,330**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,790	24	1,814	322	4	137	463	54	871	213	114	7	1,259	26	515	4,077
Bulk Terminal	--	--	7,128	--	--	--	220	--	--	--	--	--	2,720	0	281	10,349
Total	**--**	**--**	**8,942**	**--**	**--**	**--**	**683**	**--**	**--**	**--**	**--**	**--**	**3,979**	**26**	**796**	**14,426**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	1,120	0	1,120	1,092	281	89	1,462	157	2,550	1,607	91	0	4,405	301	5,302	12,590
Bulk Terminal	--	--	6,362	--	--	--	666	--	--	--	--	--	3,195	0	1,643	11,866
Total	**--**	**--**	**7,482**	**--**	**--**	**--**	**2,128**	**--**	**--**	**--**	**--**	**--**	**7,600**	**301**	**6,945**	**24,456**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to					From V to			
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**43**	**0**	**486**	**3,613**	**0**	**6,101**	**945**	**2,803**	**2,353**	**428**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	503	0	169	334	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	199	0	884	325	0	559	32	0	0	0	0
Greater Than 1.00% Sulfur	0	43	0	488	3,414	0	4,714	620	2,634	1,460	396	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, 1987
(Thousand Barrels)

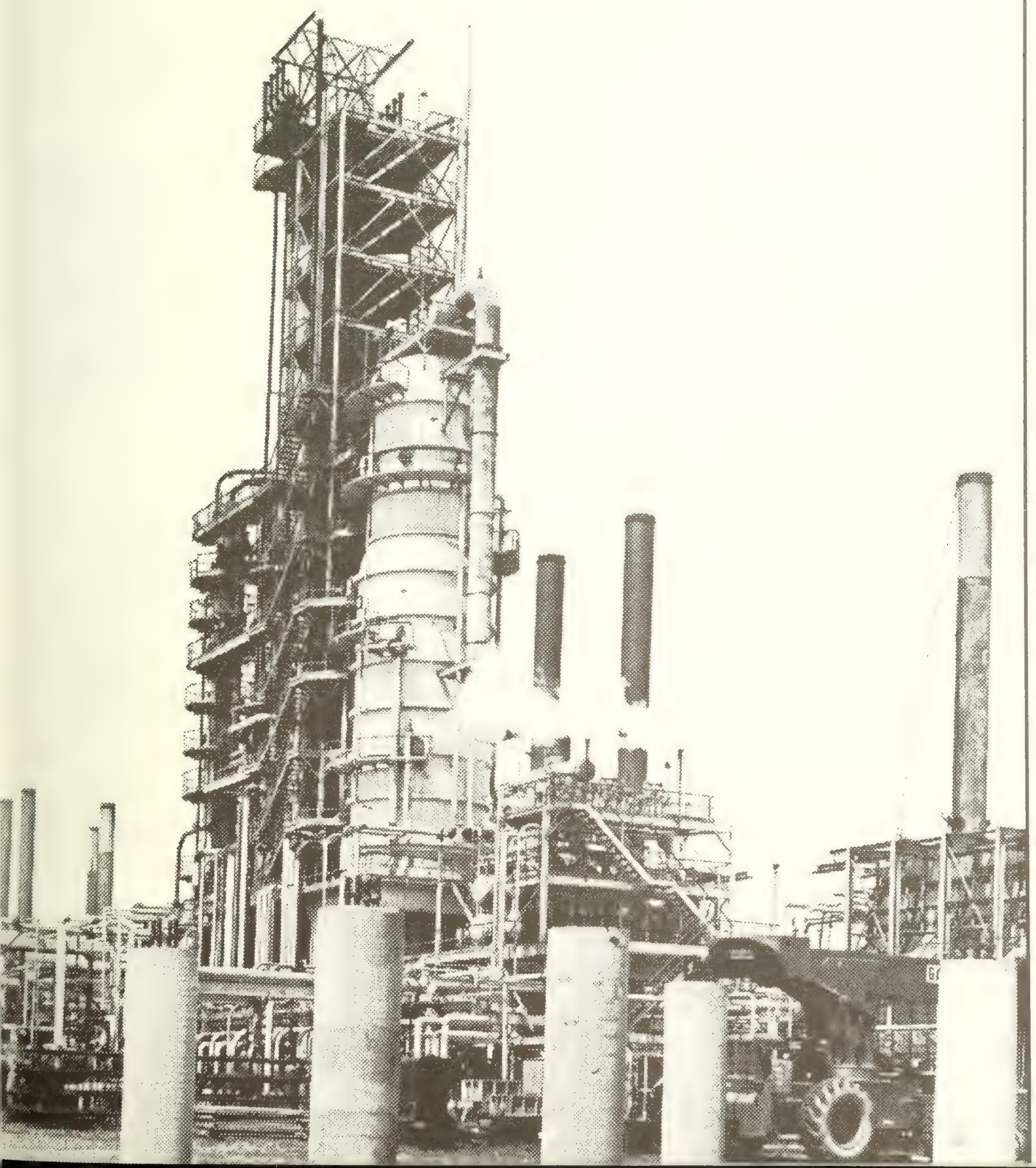
Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	21,974	749	433	23,156
Iraq	0	0	0	0
Kuwait	10	0	0	10
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	504	0	653	1,157
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	22,488	749	1,086	24,323
Other OPEC				
Ecuador	0	0	2,118	2,118
Gabon	0	0	0	0
Indonesia	3,413	25	31	3,469
Iran	0	0	0	0
Nigeria	838	208	0	1,046
Venezuela	1,229	254	24,295	25,778
Subtotal Other OPEC	5,480	487	26,444	32,411
Other				
Angola	4,140	0	0	4,140
Australia	643	590	63	1,296
Bahamas	615	2,076	9,561	12,252
Bolivia	0	0	0	0
Brazil	4,897	1,719	22	6,638
Brunei	0	0	0	0
Canada	841	560	6,229	7,630
China, People's Republic	0	0	0	0
Congo	1,311	127	0	1,438
Egypt	0	0	0	0
France	0	356	0	356
Ghana	415	0	0	415
Liberia	0	0	0	0
Malaysia	120	0	0	120
Mexico	0	0	4,534	4,534
Netherlands	274	3,442	335	4,051
Netherlands Antilles	415	1,354	4,657	6,426
Norway	0	618	380	998
Oman	0	0	0	0
Peru	405	353	8,515	9,273
Puerto Rico	0	0	0	0
Romania	0	194	803	997
Spain	138	626	5,618	6,382
Syria	0	0	1,000	1,000
Trinidad	0	0	9,580	9,580
Tunisia	0	183	0	183
United Kingdom	0	2,226	2,860	5,086
Virgin Islands	4,634	12,701	16,805	34,140
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	1,475	604	11,668	13,747
Other Eastern Hemisphere	9,243	6,185	3,294	18,722
Subtotal Other	29,566	33,914	85,924	149,404

(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**50,805**	**34,044**	**107,488**	**192,337**
Connecticut	204	883	394	1,481
Delaware	0	613	676	1,289
Florida	0	3,215	9,265	12,480
Georgia	0	0	930	930
Maine	436	1,592	8,277	10,305
Maryland	398	1,792	3,525	5,715
Massachusetts	687	5,299	19,032	25,018
New Hampshire	0	232	1,142	1,374
New Jersey	13,863	3,291	13,122	30,276
New York	33,488	7,532	34,522	75,542
North Carolina	0	0	3,976	3,976
Pennsylvania	1,678	3,927	4,840	10,445
Rhode Island	0	911	156	1,067
South Carolina	0	56	1,975	2,031
Vermont	1	1	151	153
Virginia	50	4,700	5,505	10,255
PAD District II	**276**	**369**	**671**	**1,316**
Michigan	274	368	170	812
Minnesota	0	0	34	34
North Dakota	2	1	403	406
Ohio	0	0	14	14
Wisconsin	0	0	50	50
PAD District III	**4,154**	**615**	**4,933**	**9,702**
Alabama	0	0	1,621	1,621
Louisiana	0	0	1,745	1,745
Texas	4,154	615	1,567	6,336
PAD District IV	**0**	**0**	**10**	**10**
Montana	0	0	10	10
PAD District V	**2,299**	**122**	**352**	**2,773**
California	184	70	0	254
Hawaii	2,115	52	312	2,479
Washington	0	0	40	40
All PAD Districts	**57,534**	**35,150**	**113,454**	**206,138**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Refinery Capacity



U.S. Refinery Capacity: 1988

by Nancy A. Masterson

Highlights

U.S. operable crude oil distillation capacity was 15.9 million barrels per calendar day as of January 1, 1988, compared with 15.6 million barrels per calendar day a year earlier. This is the second consecutive year in which crude oil distillation capacity surpassed the previous year's figure and represents a reversal of the downward trend experienced during 1981 through 1986. However, the number of refineries in operation decreased to 213, as refinery closings during 1987 outnumbered reactivations. Other highlights for 1987 include the following:

- Gross inputs to crude distillation units increased to 13.0 million barrels per day. This was 1.4 percent above the 1986 level.
- Downstream processes showed moderate increases in capacities as of January 1, 1988; in particular, thermal cracking increased by nearly 8 percent over the previous year.
- Processes associated with gasoline production showed increases in capacities as of January 1, 1988; in particular, the capacity for isomer production was nearly 43 percent above the January 1, 1987 level.

Distillation Capacity and Utilization Rates

There were 213 refineries in operation on January 1, 1988, compared with 219 refineries on January 1, 1987 (Table FE8). According to responses to the Form EIA-820, "Annual Refinery Report," total crude oil distillation capacity was 15.9 million barrels per calendar day as of January 1, 1988, compared with 15.6 million barrels per calendar day a year earlier. During 1987, nine refineries were shut down, and four refineries were reactivated (Table FE9). One refinery was purchased by Texaco Refining and Marketing Inc., and its operations merged with Texaco's Bakersfield

Table FE8. Number and Capacity of Operable Crude Oil Distillation Units at Petroleum Refineries as of January 1

Year	Number of Operable Refineries		Capacity of Operable Refineries (barrels per calendar day)	
	Number	Change From Previous Year	Capacity	Change From Previous Year
1980	319	+8	17,988,121	+547,236
1981	324	+5	18,620,520	+632,399
1982	301	-23	17,889,734	-730,786
1983	258	-43	16,859,337	-1,030,397
1984	247	-11	16,137,141	-722,196
1985	223	-24	15,658,769	-478,372
1986	216	-7	15,458,948	-199,821
1987[1]	219	+3	15,565,513	+106,565
1988	213	-6	15,915,418	+349,905

[1] Beginning in 1987, the Hawaiian Independent Refinery (66,000 barrels per calendar day distillation capacity) is included in U.S. totals.
Source: Energy Information Administration, Form EIA-820, *Annual Refinery Report.*

Note: Unless otherwise indicated, data in this article were taken from the Summary Statistics Section and Refinery Capacity section of this report, *Petroleum Supply Annual*, DOE/EIA-0340(87)1; *Petroleum Supply Annual*, 1981, 1982, 1983, 1984, 1985, and 1986, DOE/EIA-0340, Volumes 1 and 2.

refinery. All four of the reactivations are located in the Gulf Coast area. There were no new refineries activated during 1987.

The reactivated refineries provided 337,750 barrels per calendar day of operable crude oil distillation capacity. This additional capacity is attributed almost entirely to Trans America Refining Company's Good Hope, Louisiana refinery, which became operable in November 1987. This refinery, with a capacity of 300,000 barrels per calendar day, was reported as idle on January 1, 1988. The reactivation of this refinery more than offset the operable distillation capacity of the nine refineries (66,500 barrels per calendar day) that closed in 1987. While closings and reactivations resulted in a net gain in operable distillation capacity of 271,250 barrels per calendar day, upgrading within operating refineries during this period provided an additional 78,655 barrels per calendar day.

Table FE9. Refinery Closings and Reactivations During 1987

Refinery	Location	Crude Oil Distillation Capacity (barrels per calendar day)	Downstream Capacity (barrels per stream day)	Operating History (years in operation)
Closings:				
Beacon Oil Co.	Hanford, California	17,300	11,380	27
Clark Oil & Refining Corp.	Mt. Airy, Louisiana	0	27,000	39
Flying J. Petroleum, Inc.	Williston, North Dakota	4,600	5,450	32
Lakeside Refining Co.	Kalamazoo, Michigan	5,600	0	39
MacMillan Petroleum Co.	Norphlet, Arkansas	5,800	2,700	39
Sabre Refining Inc.	Bakersfield, California	10,000	0	16
Silver Eagle Oil Co.	La Barge, Wyoming	3,000	0	13
Virginia Oil & Refining Co., Inc.	Jonesville, Virginia	1,000	0	2
Western Oil & Refining	Long Beach, California	19,200	0	11
Total		66,500	46,530	
Reactivations:				
Donna Refinery Partners, Ltd.	Donna, Texas	4,750	0	
GAMXX Energy Inc.	Theodore, Alabama	27,000	10,000	
Petro Source Resources, Inc.	Vicksburg, Mississippi	6,000	7,900	
Trans America Refining Co.	Good Hope, Louisiana	300,000	520,000	
Total		337,750	537,900	
Reclassification:				
Paramount Petroleum Corp.	Bakersfield, California	20,500	34,800	

(Sold to Texaco Refining and Marketing Inc. and merged with Texaco's Bakersfield refinery.)

Source: Energy Information Administration, Form EIA-820, *Annual Refinery Report*.

While average operable distillation capacity increased 1.2 percent in 1987 (Table FE10), gross inputs to crude distillation units increased by 177,000 barrels per day, or 1.4 percent from the 1986 level. As a result, refinery utilization grew to slightly more than 83 percent in 1987.

Refinery utilization declined steadily between 1977 and 1981. Capacity additions exceeded growth in inputs from 1977 until 1979; then inputs declined while capacity continued to grow (Figure FE5). Operable capacity began to decline in 1981; this was 2 years after inputs began to fall off. By 1982, average operable capacity was declining more rapidly than gross inputs, and the utilization rate began to increase. In 1984, as gross inputs increased for the first time since 1978 and operable capacity continued to decline, the utilization rate increased to 76.2 percent.

In 1986, the utilization rate grew to 82.9 percent, as capacity levels stabilized and gross inputs continued to increase. During 1987, as both operable capacity and gross inputs increased slightly, the utilization rate remained at about 83 percent. Therefore, the 1987 utilization rate still indicated an unused capacity of approximately 17 percent (Figure FE5). This compares with an unused capacity range of 6-16 percent during the 1970's when refinery utilization rates ranged between 84 and 94 percent.

Most refineries are designed for greatest efficiency and profitability when operating at utilization rates between 85 and 90 percent. An examination of refinery utilization rates by Petroleum Administration for Defense (PAD) District shows the highest utilization level in the past 7 years occurred in the Midwest (PAD District II). This region's utilization rate was nearly 87 percent in 1987, almost four percentage points above the national average for the year (Table FE10). During the same 7-year period, the Rocky Mountains (PAD District IV) experienced the lowest utilization rate for a particular year -- 64.7 percent in 1981.

Table FE10. Refinery Inputs, Capacity, and Utilization of Crude Distillation Units, by PAD District, 1981-1987

(Thousand Barrels per Day, Except Where Noted)

	PAD District I	PAD District II	PAD District III	PAD District IV	PAD District V	United States
Gross Inputs						
1981	1,363	3,048	5,693	430	2,217	12,751
1982	1,231	2,864	5,586	422	2,069	12,172
1983	1,068	2,806	5,513	427	2,134	11,947
1984	1,130	2,792	5,637	438	2,219	12,216
1985	1,159	2,743	5,555	433	2,275	12,165
1986	1,229	2,833	5,932	434	2,399	12,826
1987	1,256	2,854	5,923	437	2,534	13,003
Average Operable Capacity[1]						
1981	1,943	4,242	8,537	665	3,217	18,604
1982	1,790	3,799	8,084	615	3,147	17,434
1983	1,647	3,562	7,785	560	3,116	16,669
1984	1,579	3,486	7,325	560	3,083	16,033
1985	1,538	3,367	7,199	558	3,010	15,671
1986	1,456	3,296	7,106	534	3,065	15,459
1987	1,450	3,282	7,174	535	3,202	15,642
Utilization Rate (percent)[2]						
1981	70.2	71.9	66.7	64.7	68.9	68.5
1982	68.8	75.4	69.1	68.6	65.8	69.8
1983	64.9	78.8	70.8	76.3	68.5	71.7
1984	71.6	80.1	77.0	78.2	72.0	76.2
1985	75.4	81.5	77.2	77.6	75.6	77.6
1986	84.3	85.9	83.5	81.0	78.2	82.9
1987	86.6	86.9	82.5	81.7	79.1	83.1

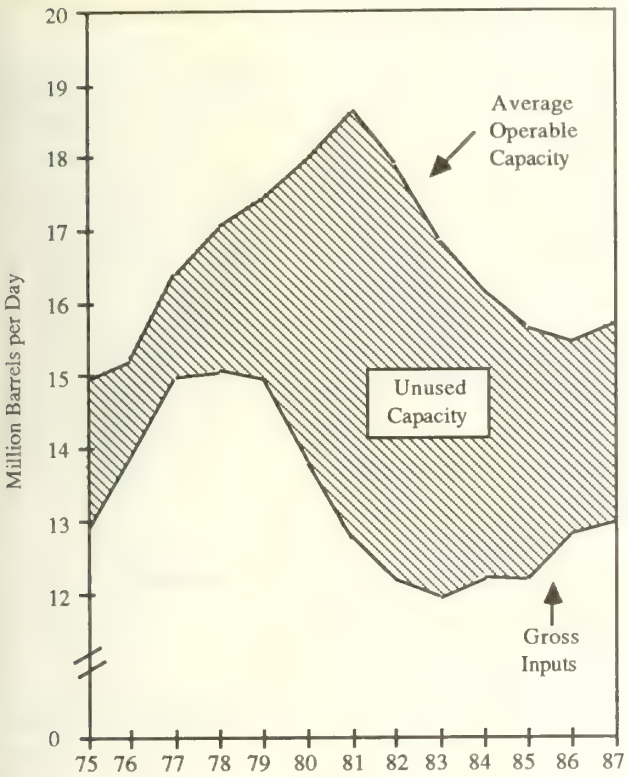
[1] Average of reported monthly operable crude oil distillation capacities.

[2] Utilization rate is expressed as percent and represents gross inputs divided by operable capacity as defined in footnote 1.

Note: Totals may not add to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, Volume 2, Table 13 (1981-1982); Volume 2, Table 11 (1983-1984); Volume 1, Table 11 (1985-1987).

Figure FE5. Inputs and Average Operable Capacity, 1975-1987 [1]



[1] 1975-1980, average of January 1 operable crude oil capacities for the indicated year and the following year; 1981 forward, average of reported monthly operable capacities.

Source: For 1975 through 1986, Energy Information Administration, *Annual Energy Review*, 1986, Table 53. For 1987, *Petroleum Supply Annual*, 1987.

Downstream Capacity

According to responses to EIA's 1988 annual refinery survey, charge capacities of downstream processes showed moderate increases during 1987. Once again, these increases are due primarily to the reactivation of Trans America Refining Company's Good Hope, Louisiana refinery which contributed 520,000 barrels per stream day of the total increase (701,000 barrels per stream day) in downstream charge capacity. Growth in refinery downstream charge capacity during 1987 was greatest for thermal cracking, one of several gasoline-producing processes (Table FE11). Capacity for thermal cracking was 2.1 million barrels per stream day as of January 1, 1988, almost 152,000 barrels per day higher than a year earlier. The reactivated Good Hope, Louisiana refinery accounted for 140,000 barrels of this increase.

The combined charge capacities of gasoline-producing downstream units (thermal crackers, catalytic crackers, and catalytic hydrocrackers) grew 254,200 barrels per stream day, or nearly 3 percent, between January 1, 1987, and January 1, 1988. The reactivated Good Hope refinery was almost solely responsible for this increase with 250,000 barrels per stream day for the three processes combined. The charge capacity for catalytic reforming, a process for raising the octane level of feedstocks suitable for blending into finished gasoline, also increased by over 2 percent between January 1, 1987, and January 1, 1988. However, at 3.9 million barrels per stream day, catalytic reforming capacity was still 5 percent below its peak 1981 level.

During 1987, the EIA began using Form EIA-810, "Monthly Refinery Report," to collect data on fresh feed inputs to coking (delayed and fluid), catalytic cracking, and catalytic hydrocracking units. These processes are all associated with producing motor gasoline. Fluid and delayed coking are both thermal cracking processes which convert heavy, low-grade oils into lighter oils. Catalytic crackers convert gas oils to high-octane gasoline, while catalytic hydrocrackers convert residual material to high-octane gasoline or high-grade fuel oil.

The average total U.S. coking charge capacity during 1987 was 1.5 million barrels per stream day (Table FE12). During 1987, inputs to cokers averaged about 1.3 million barrels per day for a utilization rate of approximately 85 percent. The average total U.S. catalytic cracking charge capacity during 1987, was about 5.3 million barrels per stream day. Inputs to catalytic cracking units during 1987 averaged nearly 4.4 million barrels per day, representing an 82-percent utilization rate. The average total U.S. catalytic hydrocracking charge capacity was 1.2 million barrels per stream day during 1987. Catalytic hydrocracking inputs during 1987 were about 946,000 barrels per day for a utilization rate of 79 percent.

The West Coast area (PAD District V) experienced the highest 1987 average utilization rate (86.2 percent) for coking, catalytic cracking, and catalytic hydrocracking, combined. The Midwest area (PAD District II) had the next highest average utilization rate at 81.3 percent, followed by the Gulf Coast (PAD District III) and the East Coast (PAD District I), both with 81.1 percent. The Rocky Mountain area (PAD District IV) had the lowest utilization rate (74.2 percent) for these three processes combined.

Processes associated with producing lighter products, such as gasoline, increased in production capacity between January 1, 1987 and January 1, 1988. In particular, production capacity of isomers was 465 thousand barrels per stream day on January 1, 1988, nearly 43 percent above the level a year earlier. In addition, production capacity of alkylates was 993 thousand barrels per stream day on January 1, 1988, 2.0 percent above the previous year's level. Concurrently, production capacity of lubricants was down by 7.2 percent from the January 1, 1987, level.

Table FE11. Operable Capacity of Petroleum Refineries by Downstream Process, 1980-1988

(Thousand Barrels per Stream Day)

As of January 1 of Year	Vacuum Distillation	Thermal Cracking	Catalytic Cracking--Fresh & Recycled	Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting
1980	6,381	1,564	5,754	3,970	864	4,616	NA
1981	7,033	1,587	6,136	4,098	909	8,487	NA
1982	7,197	1,782	6,036	3,966	892	8,539	NA
1983	7,180	1,715	5,890	3,918	883	8,354	NA
1984	7,165	1,852	5,802	3,907	952	9,009	NA
1985	6,998	1,858	5,738	3,750	1,053	8,897	NA
1986	6,892	1,880	5,677	3,744	1,125	8,791	NA
1987 [1]	6,935	1,928	5,716	3,805	1,189	9,083	230
1988	7,198	2,080	5,806	3,891	1,202	9,170	240

[1] Beginning in 1987, the Hawaiian Independent Refinery is included in U.S. totals.

NA = Not Available.

Source: Energy Information Administration, Form EIA-820, *Annual Refinery Report*.

Table FE12. Refinery Inputs, Charge Capacity, and Utilization of Selected Downstream Units, by PAD District, 1987

(Thousand Barrels per Day, Except Where Noted)

	PAD District I	PAD District II	PAD District III	PAD District IV	PAD District V	United States
Fresh Feed Inputs						
Cokers	63	233	509	16	444	1,265
Catalytic Crackers	503	999	2,075	145	648	4,370
Catalytic Hydrocrackers	51	112	385	6	393	946
Average Capacity [1]						
Cokers	80	287	593	25	504	1,490
Catalytic Crackers	606	1,206	2,580	192	753	5,337
Catalytic Hydrocrackers	74	160	489	7	466	1,196
Utilization Rate (percent) [2]						
Cokers	78.4	81.2	85.9	63.0	88.0	84.9
Catalytic Crackers	83.1	82.8	80.4	75.4	86.1	81.9
Catalytic Hydrocrackers	68.3	69.8	78.8	80.3	84.4	79.1

[1] Average capacity for 1987 is calculated as the sum of January 1, 1987 capacity and January 1, 1988 capacity divided by 2.

[2] Utilization rate is expressed as a percentage and represents inputs divided by capacity as defined in footnote 1.

Note: Totals may not add to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, Volume 1, Refinery Capacity Section, Table 31(capacities: 1987 and 1988); Volume 1, Table 11 (Fresh Feed Inputs: 1987).

Refinery Yield

Refinery yield is based on the ratio of finished products to inputs of crude oil and net inputs of unfinished oils. The annual refinery yield of motor gasoline remained relatively steady throughout the 1980's. In 1987, the refinery yield of motor gasoline was 46.4 percent compared with 44.5 percent in 1980 and 45.6 percent in 1986. The highest annual yield during the 1980's was 47.4 percent in 1983.

The annual refinery yield of distillate fuel oil also remained steady during the 1980's. The distillate yield in 1987 was 20.5 percent, compared with 21.2 percent in 1986.

Refinery yield of residual fuel dropped substantially in the early 1980's, from 11.7 percent in 1980 to 7.1 percent in 1983 through 1985. In 1987, refinery yield of residual fuel oil continued to decline to a level of 6.6 percent. In 1983 jet fuel replaced residual fuel as one of the top three petroleum products (along with motor gasoline and distillate fuel)

produced at refineries. Jet fuel yields were 10.0 percent in 1987 compared with 9.8 percent in 1986.

Crude Oil Receipts at Refineries

During 1987, total crude oil receipts at refineries rose 1.1 percent to an average of 13.1 million barrels per day, as receipts of foreign crude oil more than offset a 3.8-percent decline in domestic crude oil receipts from 1986 levels. Refinery receipts of domestic crude oil in 1987 averaged 8.4 million barrels per day. Refinery receipts of foreign crude rose from 4.2 million barrels per day in 1986 to 4.7 million barrels per day in 1987, an increase of 11.3 percent. This is the second consecutive year during which foreign crude receipts have increased and domestic receipts have decreased from the previous year. However, domestic receipts still comprise about two-thirds of the total crude received at refineries: about 64 percent of the total in 1987 as compared to 67 percent during 1986.

The highest rate of increase in foreign crude receipts regionally during 1987 was 15.7 percent in the Gulf Coast area (PAD District III). Receipts of foreign crude at Gulf Coast refineries increased by nearly 337,000 barrels per day. East Coast (PAD District I) refineries experienced a 10.3-percent increase in foreign crude receipts. Domestic crude receipts during 1987 increased in the West Coast area (PAD District V) by 2.0 percent and in the Rocky Mountains (PAD District IV) by 0.4 percent.

Table 29. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1988

District and State	Number of Operable Refineries			Atmospheric Crude Oil Distillation Capacity					
				Barrels per Calendar Day			Barrels per Stream Day		
	Total	Operating	Idle [1]	Total	Operating	Idle	Total	Operating	Idle
PAD District I	**25**	**22**	**3**	**1,477,113**	**1,422,113**	**55,000**	**1,554,450**	**1,493,450**	**61,000**
Delaware	1	1	0	140,000	140,000	0	150,000	150,000	0
Florida	1	0	1	17,000	0	17,000	20,000	0	20,000
Georgia	2	1	1	33,655	5,655	28,000	35,000	6,000	29,000
New Jersey	6	6	0	434,400	434,400	0	456,400	456,400	0
New York	1	1	0	41,850	41,850	0	45,000	45,000	0
North Carolina	2	1	1	13,000	3,000	10,000	15,500	3,500	12,000
Pennsylvania	8	8	0	727,000	727,000	0	759,500	759,500	0
Virginia	2	2	0	53,400	53,400	0	55,550	55,550	0
West Virginia	2	2	0	16,808	16,808	0	17,500	17,500	0
PAD District II	**41**	**37**	**4**	**3,281,143**	**3,174,143**	**107,000**	**3,435,403**	**3,320,403**	**115,000**
Illinois	7	7	0	929,700	854,700	75,000	978,600	898,600	80,000
Indiana	5	4	1	423,900	422,900	1,000	439,100	437,100	2,000
Kansas	8	6	2	352,800	322,400	30,400	371,483	339,483	32,000
Kentucky	3	2	1	219,500	218,900	600	227,300	226,300	1,000
Michigan	3	3	0	113,500	113,500	0	120,000	120,000	0
Minnesota	2	2	0	222,143	222,143	0	234,220	234,220	0
North Dakota	1	1	0	58,000	58,000	0	60,000	60,000	0
Ohio	4	4	0	488,100	488,100	0	507,000	507,000	0
Oklahoma	6	6	0	381,500	381,500	0	398,700	398,700	0
Tennessee	1	1	0	60,000	60,000	0	65,000	65,000	0
Wisconsin	1	1	0	32,000	32,000	0	34,000	34,000	0
PAD District III	**78**	**71**	**7**	**7,443,207**	**6,841,107**	**602,100**	**7,914,982**	**7,245,107**	**669,875**
Alabama	6	6	0	180,600	180,600	0	187,300	187,300	0
Arkansas	3	3	0	58,400	51,400	7,000	61,000	53,000	8,000
Louisiana	23	20	3	2,621,207	2,262,207	359,000	2,773,775	2,358,900	414,875
Mississippi	6	6	0	368,400	368,400	0	390,900	390,900	0
New Mexico	4	4	0	75,600	75,600	0	84,607	84,607	0
Texas	36	32	4	4,139,000	3,902,900	236,100	4,417,400	4,170,400	247,000
PAD District IV	**19**	**17**	**2**	**539,755**	**526,005**	**13,750**	**559,700**	**545,300**	**14,400**
Colorado	2	2	0	76,500	76,500	0	80,000	80,000	0
Montana	5	4	1	143,850	130,450	13,400	149,000	135,000	14,000
Utah	6	6	0	154,500	154,500	0	160,000	160,000	0
Wyoming	6	5	1	164,905	164,555	350	170,700	170,300	400
PAD District V	**50**	**48**	**2**	**3,174,200**	**3,054,600**	**119,600**	**3,360,023**	**3,227,223**	**132,800**
Alaska	6	6	0	222,700	222,700	0	238,260	238,260	0
California	33	31	2	2,379,200	2,259,600	119,600	2,528,309	2,395,509	132,800
Hawaii	2	2	0	115,900	115,900	0	118,000	118,000	0
Nevada	1	1	0	4,500	4,500	0	4,700	4,700	0
Oregon	1	1	0	0	0	0	0	0	0
Washington	7	7	0	451,900	451,900	0	470,754	470,754	0
U.S. Total	**213**	**195**	**18**	**15,915,418**	**15,017,968**	**897,450**	**16,824,558**	**15,831,483**	**993,075**
Puerto Rico	3	3	0	121,000	121,000	0	128,000	128,000	0
Virgin Islands	1	1	0	545,000	470,000	75,000	595,000	510,000	85,000
Guam	1	0	1	43,900	0	43,900	47,100	0	47,100

See footnotes at end of table.

Table 29. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1988 (Continued)

District and State	Downstream Charge Capacity (Barrrels per Stream Day)							
	Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting
			Fresh	Recycled				
PAD District I	**735,465**	**81,000**	**602,300**	**56,300**	**354,440**	**74,440**	**897,673**	**16,000**
Delaware	95,000	46,000	65,000	5,000	56,000	19,000	110,000	0
Florida	11,390	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	3,153	0
New Jersey	244,100	21,500	251,000	37,000	77,500	0	284,500	0
New York	27,000	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0	0
Pennsylvania	319,300	0	259,300	12,300	207,690	51,000	475,020	16,000
Virginia	29,000	13,500	27,000	2,000	9,500	0	25,000	0
West Virginia	9,675	0	0	0	3,750	4,440	0	0
PAD District II	**1,273,450**	**371,000**	**1,226,400**	**63,300**	**907,300**	**161,690**	**1,829,800**	**40,400**
Illinois	337,600	120,700	339,000	7,400	280,300	66,500	548,100	0
Indiana	204,200	27,500	166,000	6,000	94,500	0	232,800	5,000
Kansas	119,650	53,000	124,500	10,000	99,300	3,190	188,300	5,500
Kentucky	92,000	57,600	100,000	0	53,500	0	170,300	10,000
Michigan	38,500	0	45,200	1,000	36,500	0	55,300	0
Minnesota	137,000	54,000	78,000	1,000	61,500	0	209,700	0
North Dakota	0	0	26,000	5,200	12,100	0	17,000	0
Ohio	185,000	31,200	177,000	25,300	161,600	87,000	190,000	9,000
Oklahoma	129,000	27,000	131,000	6,400	90,000	5,000	170,000	10,900
Tennessee	10,000	0	30,000	0	10,000	0	33,500	0
Wisconsin	20,500	0	9,700	1,000	8,000	0	14,800	0
PAD District III	**3,362,550**	**1,023,900**	**2,643,900**	**186,875**	**1,810,700**	**493,000**	**4,611,650**	**104,800**
Alabama	50,000	12,000	0	0	32,000	0	63,300	0
Arkansas	23,300	0	18,500	775	9,000	0	18,500	5,500
Louisiana	1,157,700	563,500	923,800	35,800	520,500	149,000	1,164,400	5,000
Mississippi	273,950	70,500	72,000	9,000	95,800	68,000	253,800	0
New Mexico	13,900	0	27,100	6,100	19,200	0	29,200	0
Texas	1,843,700	377,900	1,602,500	135,200	1,134,200	276,000	3,082,450	94,300
PAD District IV	**196,630**	**27,400**	**192,400**	**30,400**	**116,100**	**6,900**	**236,950**	**9,000**
Colorado	23,000	0	23,500	1,000	17,500	0	27,500	0
Montana	53,250	9,900	52,100	6,600	37,800	4,900	121,400	4,000
Utah	45,380	8,500	54,800	10,600	28,550	2,000	39,250	5,000
Wyoming	75,000	9,000	62,000	12,200	32,250	0	48,800	0
PAD District V	**1,630,150**	**577,000**	**759,150**	**44,550**	**702,750**	**466,000**	**1,593,730**	**70,000**
Alaska	6,000	0	0	0	12,000	9,000	0	0
California	1,329,150	496,000	637,150	22,050	558,950	389,100	1,387,430	50,000
Hawaii	58,000	13,000	22,000	3,000	12,000	15,900	15,500	0
Nevada	2,500	0	0	0	0	0	0	0
Oregon	16,000	0	0	0	0	0	0	0
Washington	218,500	68,000	100,000	19,500	119,800	52,000	190,800	20,000
U.S. Total	**7,198,245**	**2,080,300**	**5,424,150**	**381,425**	**3,891,290**	**1,202,030**	**9,169,803**	**240,200**
Puerto Rico	65,000	0	13,500	0	54,500	15,000	77,800	0
Virgin Islands	215,000	85,000	0	0	115,000	0	420,000	0
Guam	1,400	0	0	0	0	0	0	0

[1] Refineries where distillation units are completely idle but not permanently shutdown on January 1, 1988.

Source: Form EIA-820, "Annual Refinery Report."

Table 30. Production Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1988
(Barrels per Stream Day, Except Where Noted)

District and State	Production Capacity							
	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfu (short t day
PAD District I	**76,500**	**174,437**	**19,170**	**36,950**	**33,271**	**115**	**21,050**	**4,4**
Delaware	8,000	0	3,370	0	0	40	10,900	3
Florida	0	9,860	0	0	0	0	0	
Georgia	0	23,727	0	0	0	0	0	
New Jersey	23,000	94,850	3,500	25,000	8,500	16	5,050	3,5
New York	0	13,000	0	0	0	0	0	
Pennsylvania	45,500	33,000	12,300	11,950	20,200	58	0	4
Virginia	0	0	0	0	0	0	5,100	
West Virginia	0	0	0	0	4,571	1	0	
PAD District II	**258,000**	**230,850**	**55,364**	**145,368**	**37,325**	**181**	**75,376**	**3,3**
Illinois	86,600	36,350	7,300	11,875	5,800	67	30,875	1,4
Indiana	34,200	48,000	13,000	23,200	6,400	0	7,750	5
Kansas	36,300	7,500	10,169	40,000	2,500	0	10,300	2
Kentucky	12,000	30,000	5,400	12,000	7,900	20	0	2
Michigan	8,200	13,000	0	1,100	0	0	0	
Minnesota	14,000	49,000	0	23,300	0	20	15,000	4
North Dakota	3,400	0	0	4,000	0	0	0	
Ohio	25,800	14,500	17,495	10,693	5,000	65	6,390	2
Oklahoma	33,600	19,000	2,000	19,200	9,725	9	5,061	
Tennessee	2,500	0	0	0	0	0	0	
Wisconsin	1,400	13,500	0	0	0	0	0	
PAD District III	**484,900**	**206,923**	**210,205**	**248,590**	**133,225**	**1,077**	**148,506**	**11,2**
Alabama	0	18,003	4,000	7,000	0	16	2,000	1
Arkansas	4,400	10,750	0	5,000	3,235	4	0	
Louisiana	189,600	67,410	34,600	104,500	37,690	163	67,371	3,0
Mississippi	20,700	40,635	5,500	0	5,000	217	17,750	1,2
New Mexico	3,200	4,100	0	4,000	0	0	0	
Texas	267,000	66,025	166,105	128,090	87,300	677	61,385	6,7
PAD District IV	**34,430**	**50,850**	**0**	**12,900**	**1,600**	**19**	**7,175**	**1**
Colorado	1,200	4,000	0	0	0	0	0	
Montana	12,180	26,700	0	4,650	0	19	2,175	
Utah	11,400	3,200	0	4,750	0	0	1,750	
Wyoming	9,650	16,950	0	3,500	1,600	0	3,250	
PAD District V	**139,210**	**124,958**	**3,820**	**21,460**	**26,800**	**1,026**	**116,201**	**8,4**
Alaska	0	8,475	2,320	4,000	0	13	0	
California	111,310	87,683	1,500	13,210	26,800	910	99,801	8,1
Hawaii	4,500	1,300	0	1,500	0	23	0	
Oregon	0	11,500	0	0	0	0	0	
Washington	23,400	16,000	0	2,750	0	80	16,400	2
U.S. Total	**993,040**	**788,018**	**288,559**	**465,268**	**232,221**	**2,418**	**368,308**	**27,6**
Puerto Rico	0	1,000	15,000	0	9,000	18	0	
Virgin Islands	0	0	35,000	18,000	0	0	0	5
Guam	0	350	0	0	0	0	0	

MMcfd = Million cubic feet per day.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988
(Barrels per Stream Day, Except Where Noted)

Refiner	Refineries on Page(s)
mber Refining Inc.	88
merada Hess Corp.	82, 84, 96
moco Oil Co.	76, 78, 86, 88, 92, 94
rco Alaska Inc.	72
rco Petroleum Products Co.	72, 94
shland Oil Inc.	80, 82, 86
tlantic Refining & Marketing Corp.	88
ugusta Refining Co.	78
arrett Refining Corp.	86
elcher Oil Co.	72
erry Petroleum Co.	72
ig West Oil Co.	92
loomfield Refining Co.	84
P Oil Corp.	88
alcasieu Refining Co.	80
alumet Refining Co.	80
anal Refining Co.	80
aribbean Gulf Refining Corp.	96
enex	84
hamplin Refining Co.	88
hevron U.S.A. Inc.	72, 76, 82, 84, 88, 90, 92, 94
ibro Petroleum Products Inc.	86
itgo Petroleum Corp.	80
ity Gas & Transmission Corp.	86
laiborne Gasoline Co.	80
lark Oil & Refining Corp.	78
oastal Eagle Point Oil Co.	84
oastal Refining & Marketing Inc.	90
olorado Refining Co.	76
onoco Inc.	74, 76, 80, 84, 86
ross Oil & Refining Co. of Arkansas	72
rown Central Petroleum Corp.	90
rysen Refining Inc.	92
rystal Refining Co.	82
erby Refining Co.	78
iamond Shamrock Refining & Marketing Co.	90
onna Refinery Partners Ltd.	90
dgington Oil Co. Inc.	74
l Paso Refining Co. Ltd.	90
rgon Inc.	84
xxon Co. U.S.A.	74, 80, 84, 90
armland Industries Inc.	78
ina Oil & Chemical Co.	90
letcher Oil & Refining Co.	74
lying J Petroleum Inc.	84
rontier Refining Co.	96
AMXX Energy Inc.	72
iant Refining Co.	86
ibson Oil & Refining Co. Inc.	74
NC Energy Corp.	86
olden West Refining Co.	74
uam Oil & Refining Co. Inc.	96
awaiian Independent Refinery Inc.	76
ill Petroleum Co.	80, 90
owell Hydrocarbons Corp.	90
unt Oil Co.	72
untway Refining Co.	74
idiana Farm Bureau Cooperative Association	78
entucky Oil & Refining Co.	78, 80
ern Oil & Refining Co.	74
err-McGee Refining Corp.	80, 86
och Refining Co.	82, 90
a Gloria Oil & Gas Co.	90
aketon Refining Corp.	78
eal Petroleum Corp.	90
on Oil Co.	72
quid Energy Corp.	90
Little America Refining Co.	96
LL&E Petroleum Marketing	72
Lunday Thagard Co.	74
Lyondell Petrochemical Co.	90
MacMillan Petroleum Co.	74
Mapco Petroleum Inc.	72, 88
Marathon Petroleum Co.	78, 80, 82, 92
Mid Atlantic Fuels Inc.	94
Mobil Oil Corp.	74, 78, 84, 92, 94
Montana Refining Co.	84
Motor Oils Refining Co.	78
Mountaineer Refining Co. Inc.	96
Murphy Oil U.S.A. Inc.	80, 94
National Cooperative Refinery Association	78
Navajo Refining Co.	86
Nevada Refining Co.	84
Newhall Refining Co. Inc.	74
OGC Corp.	80
Oxnard Refinery	74
Pacific Refining Co. Inc.	74
Paramount Petroleum Corp.	74
Pennzoil Products Co.	80, 88, 94
Petro Source Resources Inc.	84
Petro Star	72
Petrolite Corp.	92
Phillips Puerto Rico Core Inc.	96
Phillips 66 Co.	92, 94
Placid Refining Co.	80
Powerine Oil Co.	74
Pride Refining Inc.	92
Primary Oil & Energy Corp.	94
Quaker State Oil Refining Corp.	88, 94
Rock Island Refining Corp.	78
San Joaquin Refining Co. Inc.	74
Seaview Petroleum Inc.	84
Seminole Refining Corp.	76
Shell Oil Co.	74, 78, 82, 92, 94
Sinclair Oil Corp.	86, 96
Somerset Refinery Inc.	80
Sound Refining Inc.	94
South Hampton Refining Co.	92
Southland Oil Co.	84
Southwestern Refining Co. Inc.	92
Standard Oil Co.	82, 86
Sun Co Inc.	86, 88, 96
Sunland Refining Corp.	74
Tenneco Oil Co.	82
Tesoro Petroleum Corp.	72
Texaco Refining & Marketing Inc.	74, 76, 78, 82, 92, 94
Texas City Refining Inc.	92
Texas NAPCO Inc.	82
Thriftway Co.	86
Tosco Corp.	76
Total Petroleum Inc.	78, 82, 86
Trans America Refining Co.	82
Trifinery	92
U.S. Oil & Refining Co.	94
Union Pacific Resources Co.	76
United Refining Co.	88
Unocal Corp.	76, 78, 92
Valero Refining Co.	92
Vulcan Refining Co.	72
Warrior Asphalt Refining Corp.	72
West Coast Oil Co.	76
Witco Corp.	76, 88
Wyoming Refining Co.	96
Young Refining Corp.	76

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity			
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking	
	Operating	Idle	Operating	Idle			Fresh	Recycled
Alabama	**180,600**	**0**	**187,300**	**0**	**50,000**	**12,000**	**0**	**0**
Belcher Oil Co.								
Chickasaw	26,600	0	28,000	0	10,000	0	0	0
GAMXX Energy Inc. (Formerly Marion Corp.)								
Theodore	27,000	0	28,000	0	0	0	0	0
Hunt Oil Co.								
Tuscaloosa	33,500	0	35,000	0	15,000	[3] 12,000	0	0
LL&E Petroleum Marketing								
Saraland	80,000	0	81,300	0	20,000	0	0	0
Vulcan Refining Co.								
Cordova	9,500	0	10,000	0	5,000	0	0	0
Warrior Asphalt Refining Corp.								
Holt	4,000	0	5,000	0	0	0	0	0
Alaska	**222,700**	**0**	**238,260**	**0**	**6,000**	**0**	**0**	**0**
Arco Alaska Inc.								
Anchorage	12,000	0	13,000	0	0	0	0	0
Prudhoe Bay	20,000	0	24,000	0	0	0	0	0
Chevron U.S.A. Inc.								
Kenai	22,000	0	22,500	0	0	0	0	0
Mapco Petroleum Inc.								
North Pole	90,000	0	91,760	0	6,000	0	0	0
Petro Star								
North Pole	6,700	0	7,000	0	0	0	0	0
Tesoro Petroleum Corp.								
Kenai	72,000	0	80,000	0	0	0	0	0
Arkansas	**51,400**	**7,000**	**53,000**	**8,000**	**23,300**	**0**	**18,500**	**775**
Berry Petroleum Co.								
Stephens	3,700	0	4,000	0	1,500	0	0	0
Cross Oil & Refining Co. of Arkansas								
Smackover	6,700	0	7,000	0	3,300	0	0	0
Lion Oil Co.								
El Dorado	41,000	7,000	42,000	8,000	18,500	0	18,500	775
California	**2,259,600**	**119,600**	**2,395,509**	**132,800**	**1,329,150**	**496,000**	**637,150**	**22,050**
Arco Petroleum Products Co.								
Carson	214,000	0	225,000	0	112,000	[3] 56,000	77,000	0
Chevron U.S.A. Inc.								
El Segundo	390,000	15,000	435,000	18,000	179,000	[3] 54,000	60,000	0
Richmond	270,000	80,000	280,000	85,000	175,000	0	63,000	0

Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
	0	**63,300**	**0**	**0**	**18,003**	**4,000**	**7,000**	**0**	**16**	**2,000**	**150**
	0	0	0	0	6,000	0	0	0	0	0	0
	0	[2] 5,000	0	0	0	4,000	0	0	0	0	10
	0	[5] 9,800 [2] 7,500 [6] 5,000	0	0	9,500	0	0	0	6	2,000	80
	0	[5] 15,000 [2] 21,000	0	0	0	0	[7] 1,000 [8] 6,000	0	10	0	60
	0	0	0	0	2,500	0	0	0	0	0	0
	0	0	0	0	3	0	0	0	0	0	0
	9,000	**0**	**0**	**0**	**8,475**	**2,320**	**4,000**	**0**	**13**	**0**	**15**
	0	0	0	0	0	0	0	0	0	0	0
y	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	6,000	0	0	0	0	0	0
	0	0	0	0	2,475	2,320	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9,000	0	0	0	0	0	[8] 4,000	0	13	0	15
	0	**18,500**	**5,500**	**4,400**	**10,750**	**0**	**5,000**	**3,235**	**4**	**0**	**21**
	0	0	0	0	1,000	0	0	0	0	0	0
	0	[9] 3,000	0	0	2,050	0	0	3,235	4	0	0
	0	[2] 10,000 [6] 5,500	5,500	4,400	7,700	0	[8] 5,000	0	0	0	21
	389,100	**1,387,430**	**50,000**	**111,310**	**87,683**	**1,500**	**13,210**	**26,800**	**910**	**99,801**	**8,183**
	22,000	[5] 70,000 [2] 40,000 [6] 18,000 [9] 18,000	0	9,000	0	0	0	0	70	12,500	180
)	45,000	[5] 60,000 [2] 56,000 [6] 14,000 [9] 42,000	0	8,000	0	1,500	0	0	112	14,500	840
	105,500	[5] 60,000 [2] 63,000 [6] 65,000 [9] 18,200	50,000	9,200	11,000	0	0	11,800	135	0	672

Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

timated. MMcfd = Million cubic feet per day.
rted no inputs during 1987.
e: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		C
	Operating	Idle	Operating	Idle			Fresh	Recycled	Re
California (Continued)									
Conoco Inc.									
Santa Maria	9,500	0	10,000	0	7,800	0	0	0	
Edgington Oil Co. Inc.									
Long Beach	41,600	0	44,800	0	21,000	0	0	0	
Exxon Co. U.S.A.									
Benicia	126,000	0	130,000	0	63,000	[10] 27,500	64,000	11,000	1
Fletcher Oil & Refining Co.									
Carson	29,500	0	31,709	0	0	0	9,450	1,050	
Gibson Oil & Refining Co. Inc.									
Bakersfield	0	9,600	0	9,800	0	0	0	0	
Golden West Refining Co.									
Santa Fe Springs	42,000	0	45,000	0	25,000	[11] 13,800	13,500	0	1
Huntway Refining Co.									
Benicia	8,600	0	9,000	0	7,600	0	0	0	
Wilmington	5,500	0	6,000	0	4,800	0	0	0	
Kern Oil & Refining Co.									
Bakersfield	21,400	0	23,000	0	0	0	0	0	
Lunday Thagard Co.									
South Gate	8,100	0	8,500	0	7,000	0	0	0	
Macmillan Petroleum Co.									
Signall Hill	14,000	0	15,200	0	0	0	0	0	
Mobil Oil Corp.									
Torrance	123,000	0	130,000	0	95,000	[3] 48,000	63,000	0	1
Newhall Refining Co. Inc.									
Newhall	22,500	0	24,000	0	10,000	0	0	0	
Oxnard Refinery									
Oxnard	4,000	0	5,000	0	0	0	0	0	
Pacific Refining Co. Inc.									
Hercules	55,000	0	57,000	0	20,000	[11] 12,000	0	0	1
Paramount Petroleum Corp.									
Paramount	46,500	0	48,000	0	28,000	0	0	0	1
Powerine Oil Co.									
Santa Fe Springs	35,000	0	35,900	0	20,350	[10] 10,400	10,200	0	
San Joaquin Refining Co. Inc.									
Bakersfield	14,300	10,000	15,000	12,000	10,000	[11] 5,000	0	0	
Shell Oil Co.									
Carson	112,000	0	115,000	0	70,000	[3] 53,000	42,000	0	1
Martinez	140,100	0	143,000	0	96,500	[10] 22,000	67,000	1,000	4
Sunland Refining Corp.									
Bakersfield	12,000	0	17,000	0	0	0	0	0	
Texaco Refining & Marketing Inc.									
Bakersfield	41,000	0	42,000	0	22,000	[3] 11,800	0	0	1
Wilmington	57,000	0	60,000	0	42,000	[3] 48,000	28,000	8,000	1

Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
Continued)											
	0	0	0	0	6,800	0	0	0	0	0	0
	0	0	0	0	15,000	0	0	0	0	0	0
	29,500	[5] 37,000 [2] 44,500 [6] 25,000 [9] 17,000	0	14,000	0	0	0	0	104	5,500	304
	0	[5] 10,500	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
prings	11,000	[2] 12,000	0	3,000	0	0	0	0	11	0	30
	0	0	0	0	4,500	0	0	0	0	0	0
	0	0	0	0	2,750	0	0	0	0	0	0
	0	[2] 3,000	0	0	0	0	0	0	0	0	0
	0	0	0	0	5,833	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	21,700	[2] 37,000 [6] 28,000	0	12,300	0	0	0	0	62	14,500	221
	0	[5] 5,000 [2] 2,500 [6] 6,500	0	0	4,600	0	0	0	0	0	4,000
	0	0	0	0	1,200	0	0	0	0	0	0
	4,000	[2] 15,000	0	0	0	0	0	0	0	0	0
	0	[6] 7,000 [9] 21,500	0	0	15,000	0	0	0	0	0	0
prings	7,600	[5] 11,000 [2] 8,800 [6] 8,300	0	2,310	0	0	[7] 1,810	0	18	2,600	0
	0	0	0	0	6,000	0	0	0	0	0	0
	0	[2] 25,000 [6] 38,000 [9] 47,000	0	8,600	0	0	0	0	36	12,500	300
	28,000	[5] 50,000 [2] 17,000 [6] 17,000 [9] 37,300	0	8,000	11,000	0	0	4,500	110	635	241
	0	[2] 1,250	0	0	0	0	0	0	0	0	0
	14,300	[5] 15,000 [2] 14,000	0	0	0	0	0	0	21	3,125	18
	20,000	[2] 18,000	0	4,400	0	0	0	0	48	8,250	308

Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

imated. MMcfd = Million cubic feet per day.
ted no inputs during 1987.
Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catal Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
California (Continued)									
Tosco Corp.									
Martinez	126,000	0	132,600	0	105,000	[10] 42,000	55,000	1,000	[4] 23,0 [1] 20,0
Union Pacific Resources Co. (Formerly Champlin Petroleum Co.)									
Wilmington	65,000	0	71,000	0	35,000	[3] 24,000	38,000	0	[4] 14,5
Unocal Corp.									
Arroyo Grande	41,000	0	44,000	0	32,000	[3] 24,800	0	0	
Rodeo	77,000	0	81,800	0	42,100	[3] 23,700	0	0	[4] 16,0 [1] 18,0
Wilmington	108,000	0	111,000	0	89,000	[11] 20,000	47,000	0	[4] 36,0 [1] 16,0
West Coast Oil Co.									
Oildale *	0	5,000	0	8,000	0	0	0	0	
Witco Corp.									
Oildale	0	0	0	0	10,000	0	0	0	
Colorado	**76,500**	**0**	**80,000**	**0**	**23,000**	**0**	**23,500**	**1,000**	**17,5**
Colorado Refining Co. (Formerly Asamera Oil(US) Inc.)									
Commerce City	33,500	0	35,000	0	10,000	0	8,500	0	[4] 10,0
Conoco Inc.									
Commerce City	43,000	0	45,000	0	13,000	0	15,000	1,000	[1] 7,5
Delaware	**140,000**	**0**	**150,000**	**0**	**95,000**	**46,000**	**65,000**	**5,000**	**56,0**
Texaco Refining & Marketing Inc.									
Delaware City	140,000	0	150,000	0	95,000	[10] 46,000	65,000	5,000	[4] 38,0 [1] 18,0
Florida	**0**	**17,000**	**0**	**20,000**	**11,390**	**0**	**0**	**0**	
Seminole Refining Corp.									
St.Marks	0	17,000	0	20,000	11,390	0	0	0	
Georgia	**5,655**	**28,000**	**6,000**	**29,000**	**0**	**0**	**0**	**0**	
Amoco Oil Co.									
Savannah	0	28,000	0	29,000	0	0	0	0	
Young Refining Corp.									
Douglasville	5,655	0	6,000	0	0	0	0	0	
Hawaii	**115,900**	**0**	**118,000**	**0**	**58,000**	**13,000**	**22,000**	**3,000**	**12,0**
Chevron U.S.A. Inc.									
Honolulu	48,000	0	50,000	0	28,000	0	22,000	3,000	
Hawaiian Independent Refinery Inc.									
Ewa Beach	67,900	0	68,000	0	30,000	[11] 13,000	0	0	[4] 12,0

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
ornia (Continued)											
nez	23,000	[5] 50,000 [2] 13,500 [6] 28,000	0	12,000	0	0	0	0	80	7,500	180
ngton	0	[5] 40,000 [2] 15,000	0	10,500	0	0	[7] 4,000	0	0	7,000	120
o Grande	0	0	0	0	0	0	0	0	0	5,741	153
o	32,500	[2] 23,000 [6] 9,500 [9] 14,500	0	0	0	0	[8] 7,400	4,500	65	5,450	392
ngton	25,000	[2] 54,000 [6] 36,000	0	10,000	0	0	0	0	38	0	224
ile *	0	0	0	0	0	0	0	0	0	0	0
ile	0	[6] 580	0	0	4,000	0	0	6,000	0	0	0
rado	**0**	**27,500**	**0**	**1,200**	**4,000**	**0**	**0**	**0**	**0**	**0**	**27**
merce City	0	[2] 10,000	0	1,200	0	0	0	0	0	0	8
merce City	0	[2] 7,500 [6] 10,000	0	0	4,000	0	0	0	0	0	19
ware	**19,000**	**110,000**	**0**	**8,000**	**0**	**3,370**	**0**	**0**	**40**	**10,900**	**350**
ware City	19,000	[2] 55,000 [6] 55,000	0	8,000	0	3,370	0	0	40	10,900	350
da	**0**	**0**	**0**	**0**	**9,860**	**0**	**0**	**0**	**0**	**0**	**0**
arks	0	0	0	0	9,860	0	0	0	0	0	0
rgia	**0**	**3,153**	**0**	**0**	**23,727**	**0**	**0**	**0**	**0**	**0**	**0**
annah	0	0	0	0	20,880	0	0	0	0	0	0
glasville	0	[2] 780 [6] 1,178 [9] 1,195	0	0	2,847	0	0	0	0	0	0
aii	**15,900**	**15,500**	**0**	**4,500**	**1,300**	**0**	**1,500**	**0**	**23**	**0**	**0**
olulu	0	[9] 3,500	0	4,500	1,300	0	[7] 1,500	0	3	0	0
Beach	15,900	[2] 12,000	0	0	0	0	0	0	20	0	0

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyti Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Illinois	**854,700**	**75,000**	**898,600**	**80,000**	**337,600**	**120,700**	**339,000**	**7,400**	**280,30**
Clark Oil & Refining Corp.									
Blue Island	E 64,600	0	E 68,000	0	E 27,000	0	E 25,000	E 1,000	[1] E 30,50
Hartford	E 63,600	0	E 65,000	0	E 18,000	[3] E 14,500	E 26,000	E 1,000	[1] E 12,00
Marathon Petroleum Co.									
Robinson	120,000	75,000	125,000	80,000	38,000	[11] 4,000 [3] 21,000	38,000	400	[4] 65,00
Mobil Oil Corp.									
Joliet	180,000	0	200,000	0	88,000	[3] 35,000	98,000	0	[1] 46,00
Motor Oils Refining Co.									
McCook	1,500	0	1,600	0	1,200	0	0	0	
Shell Oil Co.									
Wood River	274,000	0	286,000	0	105,500	[11] 18,000	94,000	0	[4] 75,00 [1] 22,00
Unocal Corp.									
Lemont	151,000	0	153,000	0	59,900	[3] 28,200	58,000	5,000	[1] 29,80
Indiana	**422,900**	**1,000**	**437,100**	**2,000**	**204,200**	**27,500**	**166,000**	**6,000**	**94,50**
Amoco Oil Co.									
Whiting	350,000	0	360,000	0	174,000	[3] 27,500	140,000	4,000	[1] 80,00
Indiana Farm Bureau Cooperative Association									
Mount Vernon	21,200	0	22,600	0	7,200	0	8,000	200	[1] 4,50
Kentucky Oil & Refining Co.									
Troy *	0	E 1,000	0	E 2,000	0	0	0	0	
Laketon Refining Corp.									
Laketon	8,700	0	9,500	0	6,000	0	0	0	
Rock Island Refining Corp.									
Indianapolis	43,000	0	45,000	0	17,000	0	18,000	1,800	[4] 10,00
Kansas	**322,400**	**30,400**	**339,483**	**32,000**	**119,650**	**53,000**	**124,500**	**10,000**	**99,30**
Augusta Refining Co.									
Augusta	0	0	0	0	0	0	0	0	[4] 9,00
Derby Refining Co.									
El Dorado	0	30,400	0	32,000	10,000	0	14,000	2,000	[1] 5,70
Wichita	28,800	0	31,300	0	10,000	[3] 5,000	17,000	2,500	[1] 7,00
Farmland Industries Inc.									
Coffeyville	56,500	0	60,723	0	19,500	[3] 13,000	23,000	1,500	[1] 16,00
Phillipsburg	26,400	0	27,460	0	10,000	0	0	0	[1] 5,30
National Cooperative Refinery Association									
McPherson	75,600	0	80,000	0	27,000	[3] 22,000	20,000	500	[1] 15,00
Texaco Refining & Marketing Inc.									
El Dorado	81,500	0	84,000	0	27,000	[3] 13,000	31,500	3,500	[1] 25,00
Total Petroleum Inc.									
Arkansas City	53,600	0	56,000	0	16,150	0	19,000	0	[4] 10,00 [1] 6,30

31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
	66,500	**548,100**	**0**	**86,600**	**36,350**	**7,300**	**11,875**	**5,800**	**67**	**30,875**	**1,424**
land	E 11,000	[2] E 20,500	0	E 6,000	E 4,500	0	0	0	0	0	E 28
d	0	[2] E 12,000 [6] E 12,000	0	E 8,000	0	0	[8] E 4,000	0	E 3	E 3,750	E 110
on	22,000	[2] 52,000 [6] 11,000	0	7,600	0	0	[8] 7,875	0	25	6,000	45
	0	[2] 81,000 [6] 75,000	0	25,000	0	0	0	0	0	11,125	347
k	0	0	0	0	150	0	0	1,200	0	0	0
River	33,500	[5] 29,000 [2] 64,000 [6] 52,500 [9] 42,000	0	22,000	28,500	3,800	0	4,600	28	0	504
t	0	[5] 4,300 [2] 53,800 [6] 39,000	0	18,000	3,200	3,500	0	0	11	10,000	390
a	**0**	**232,800**	**5,000**	**34,200**	**48,000**	**13,000**	**23,200**	**6,400**	**0**	**7,750**	**561**
g	0	[5] 80,000 [2] 87,000 [6] 42,000 [9] 4,300	0	26,000	40,000	13,000	[8] 21,000	6,400	0	7,750	540
Vernon	0	[2] 6,000	0	1,700	2,200	0	[8] 2,200	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
n	0	0	0	0	3,800	0	0	0	0	0	0
apolis	0	[2] 13,500	5,000	6,500	2,000	0	0	0	0	0	21
s	**3,190**	**188,300**	**5,500**	**36,300**	**7,500**	**10,169**	**40,000**	**2,500**	**0**	**10,300**	**263**
ta	0	[2] 14,000	0	0	0	7,200	[8] 5,500	0	0	0	0
ado	0	[2] 5,500	5,500	3,300	5,500	0	0	0	0	0	0
a	0	[2] 7,000	0	3,000	0	0	0	0	0	1,050	0
ville	0	[2] 26,500 [6] 5,000	0	6,000	0	0	[8] 8,000	2,500	0	3,000	8
sburg	0	[2] 7,500	0	0	2,000	0	0	0	0	0	0
erson	0	[2] 24,500 [6] 13,000	0	6,000	0	0	[7] 2,000 [8] 9,500	0	0	3,200	46
ado	0	[5] 44,000 [2] 25,000	0	12,500	0	2,969	[8] 15,000	0	0	3,050	196
sas City	3,190	[2] 16,300	0	5,500	0	0	0	0	0	0	13

High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
= Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1987.
ource: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Kentucky	**218,900**	**600**	**226,300**	**1,000**	**92,000**	**57,600**	**100,000**	**0**	**53,500**
Ashland Oil Inc.									
Catlettsburg	213,400	0	220,000	0	92,000	[11] 2,600 [12] 55,000	100,000	0	[4] 27,000 [1] 25,500
Kentucky Oil & Refining Co.									
Betsy Lane	0	600	0	1,000	0	0	0	0	0
Somerset Refinery Inc.									
Somerset	5,500	0	6,300	0	0	0	0	0	[1] 1,000
Louisiana	**2,262,207**	**359,000**	**2,358,900**	**414,875**	**1,157,700**	**563,500**	**923,800**	**35,800**	**520,500**
Calcasieu Refining Co.									
Lake Charles	13,500	0	14,000	0	0	0	0	0	0
Calumet Refining Co.									
Princeton	4,207	0	4,400	0	4,400	0	0	0	0
Canal Refining Co.									
Church Point	8,000	0	8,800	0	0	0	0	0	[4] 1,900
Citgo Petroleum Corp.									
Lake Charles	297,000	23,000	305,000	25,000	83,000	[3] 80,000	150,000	0	[4] 71,000 [1] 20,000
Claiborne Gasoline Co.									
Lisbon	7,500	0	7,700	0	0	0	0	0	[4] 2,000
Conoco Inc.									
Egan	2,800	0	3,000	0	0	0	0	0	0
Westlake	156,500	0	164,000	0	63,000	[3] 53,000 [12] 12,000	38,000	0	[4] 11,500 [1] 15,900
Exxon Co. U.S.A.									
Baton Rouge	455,000	0	474,000	0	205,000	[3] 90,000	155,000	0	[4] 60,000 [1] 35,000
Hill Petroleum Co.									
Krotz Springs	56,000	0	60,000	0	15,000	0	27,000	0	[1] 12,500
St.Rose	34,700	0	35,000	0	20,000	0	0	0	0
Kerr-McGee Refining Corp.									
Cotton Valley	7,800	0	8,500	0	0	0	0	0	0
Dubach	10,000	0	11,000	0	0	0	0	0	[4] 2,200
Marathon Petroleum Co.									
Garyville	255,000	0	263,000	0	125,000	0	75,000	14,000	[4] 50,000
Murphy Oil U.S.A. Inc.									
Meraux	78,500	14,000	80,500	14,500	40,000	0	35,300	3,000	[4] 23,000
OGC Corp.									
(Formerly Louisiana Oil Refg. Co. of Egan)									
Egan	0	5,000	0	5,375	0	0	0	0	0
Pennzoil Products Co.									
Shreveport	46,200	0	50,000	0	24,300	0	0	0	[1] 10,000
Placid Refining Co.									
Port Allen	46,000	0	50,000	0	20,000	0	18,500	1,500	[4] 10,000

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
ntucky	**0**	**170,300**	**10,000**	**12,000**	**30,000**	**5,400**	**12,000**	**7,900**	**20**	**0**	**200**
lettsburg	0	[5] 40,000 [2] 72,000 [6] 40,000 [9] 17,000	10,000	12,000	30,000	5,400	[8] 12,000	7,900	20	0	200
sy Lane	0	0	0	0	0	0	0	0	0	0	0
nerset	0	[2] 1,300	0	0	0	0	0	0	0	0	0
isiana	**149,000**	**1,164,400**	**5,000**	**189,600**	**67,410**	**34,600**	**104,500**	**37,690**	**163**	**67,371**	**3,089**
e Charles	0	0	0	0	0	0	0	0	0	0	0
ceton	0	0	0	0	910	0	0	3,490	0	0	0
rch Point	0	0	0	0	0	0	0	0	0	0	0
e Charles	37,000	[2] 91,000 [6] 14,000 [9] 40,000	0	20,200	0	0	0	9,200	0	15,000	342
oon	0	0	0	0	0	0	[8] 2,000	0	0	0	0
an	0	0	0	0	0	0	0	0	0	0	0
stlake	0	[5] 44,000 [2] 33,000 [6] 44,000 [9] 13,500	0	6,000	0	2,100	0	0	0	16,361	290
on Rouge	24,000	[2] 97,500 [6] 55,000 [9] 19,000	0	33,200	28,900	0	0	16,500	0	22,400	661
tz Springs	0	[2] 13,000	0	0	0	0	[7] 1,500	0	0	0	10
Rose	0	0	0	0	0	0	0	0	0	0	0
tton Valley	0	0	0	0	0	0	0	0	0	0	0
bach	0	[2] 2,200	0	0	0	0	0	0	0	0	0
ryville	0	[5] 58,000 [2] 50,000 [6] 35,500	0	20,000	25,000	0	[7] 7,000 [8] 9,000	0	0	0	504
raux	0	[2] 29,000 [6] 15,000	0	8,700	12,000	0	0	0	0	0	24
an	0	0	0	0	0	0	0	0	0	0	0
reveport	0	[5] 5,500 [2] 10,000 [9] 1,200	0	0	600	0	0	8,500	6	0	13
rt Allen	0	[2] 10,000	5,000	4,000	0	0	0	0	0	0	6

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reformin
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Louisiana (Continued)									
Shell Oil Co.									
Norco	215,000	0	220,000	0	78,000	[3] 21,000 [12] 103,500	90,000	10,000	[4] 38,000 [1] 18,000
Standard Oil Co.									
Belle Chasse	198,500	0	205,000	0	75,000	[3] 19,000	89,000	2,300	[1] 37,500
Tenneco Oil Co.									
Chalmette	145,000	0	155,000	0	70,000	[3] 33,000	51,000	0	[4] 19,000 [1] 28,000
Texaco Refining & Marketing Inc.									
Convent	225,000	0	240,000	0	75,000	[11] 12,000	85,000	5,000	[1] 40,000
Texas NAPCO Inc.									
St.James *	0	17,000	0	20,000	20,000	0	0	0	0
Trans America Refining Co.									
Good Hope	0	300,000	0	350,000	240,000	[11] 140,000	110,000	0	[1] 15,000
Michigan	**113,500**	**0**	**120,000**	**0**	**38,500**	**0**	**45,200**	**1,000**	**36,500**
Crystal Refining Co.									
Carson City	3,000	0	6,000	0	0	0	0	0	0
Marathon Petroleum Co.									
Detroit	68,500	0	70,000	0	38,500	0	26,000	1,000	[4] 14,000 [1] 6,500
Total Petroleum Inc.									
Alma	42,000	0	44,000	0	0	0	19,200	0	[4] 16,000
Minnesota	**222,143**	**0**	**234,220**	**0**	**137,000**	**54,000**	**78,000**	**1,000**	**61,500**
Ashland Oil Inc.									
St. Paul	67,143	0	69,220	0	32,000	0	23,000	0	[1] 23,500
Koch Refining Co.									
St. Paul	155,000	0	165,000	0	105,000	[3] 54,000	55,000	1,000	[4] 26,000 [1] 12,000
Mississippi	**368,400**	**0**	**390,900**	**0**	**273,950**	**70,500**	**72,000**	**9,000**	**95,800**
Amerada Hess Corp.									
Purvis	30,000	0	32,000	0	0	[10] 8,500	16,000	7,000	[1] 5,800
Chevron U.S.A. Inc.									
Pascagoula	295,000	0	310,000	0	243,000	[3] 62,000	56,000	2,000	[4] 57,000 [1] 33,000

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
siana (Continued)											
o	35,000	[5] 70,000 [2] 29,000 [9] 28,000	0	15,000	0	0	0	0	70	5,000	113
e Chasse	0	[2] 42,000 [6] 46,000	0	35,000	0	22,500	0	0	0	860	56
mette	18,000	[5] 43,000 [2] 45,000 [6] 24,000	0	19,000	0	7,000	0	0	24	7,750	202
ent	35,000	[2] 40,000 [6] 37,000 [9] 65,000	0	14,500	0	0	0	0	63	0	728
ames *	0	0	0	0	0	0	0	0	0	0	0
c Hope	0	[2] 15,000	0	14,000	0	3,000	[7] 5,000 [8] 80,000	0	0	0	140
nigan	**0**	**55,300**	**0**	**8,200**	**13,000**	**0**	**1,100**	**0**	**0**	**0**	**95**
on City	0	0	0	0	0	0	0	0	0	0	0
ort	0	[5] 12,000 [2] 19,500 [6] 3,000	0	4,000	13,000	0	0	0	0	0	80
a	0	[2] 15,000 [6] 2,000 [9] 3,800	0	4,200	0	0	[8] 1,100	0	0	0	15
nesota	**0**	**209,700**	**0**	**14,000**	**49,000**	**0**	**23,300**	**0**	**20**	**15,000**	**459**
Paul	0	[5] 23,000 [2] 24,500 [6] 7,200	0	5,500	14,000	0	[8] 8,300	0	0	0	44
Paul	0	[5] 63,000 [2] 41,000 [6] 51,000	0	8,500	35,000	0	[8] 15,000	0	20	15,000	415
sissippi	**68,000**	**253,800**	**0**	**20,700**	**40,635**	**5,500**	**0**	**5,000**	**217**	**17,750**	**1,260**
is	0	[2] 5,800 [6] 6,000	0	4,500	0	0	0	0	0	1,750	40
cagoula	68,000	[5] 63,000 [2] 48,000 [6] 30,000 [9] 96,000	0	16,200	20,000	5,500	0	0	215	16,000	1,220

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reformin
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Mississippi (Continued)									
Ergon Inc.									
Vicksburg	20,600	0	22,000	0	17,000	0	0	0	0
Petro Source Resources Inc. (Formerly Vicksburg Refining Inc.)									
Vicksburg	6,000	0	7,900	0	7,900	0	0	0	0
Southland Oil Co.									
Lumberton	5,800	0	6,500	0	0	0	0	0	0
Sandersville	11,000	0	12,500	0	6,050	0	0	0	0
Montana	**130,450**	**13,400**	**135,000**	**14,000**	**53,250**	**9,900**	**52,100**	**6,600**	**37,800**
Cenex									
Laurel	33,650	7,800	34,500	8,000	12,000	0	13,500	1,500	[4] 12,000
Conoco Inc.									
Billings	48,500	0	50,000	0	20,000	0	15,500	1,000	[1] 12,500
Exxon Co. U.S.A.									
Billings	42,000	0	44,000	0	18,000	[10] 7,700	21,000	3,500	[1] 10,000
Flying J Petroleum Inc.									
Cutbank	0	5,600	0	6,000	0	[12] 2,200	0	0	[1] 2,300
Montana Refining Co.									
Great Falls	6,300	0	6,500	0	3,250	0	2,100	600	[1] 1,000
Nevada	**4,500**	**0**	**4,700**	**0**	**2,500**	**0**	**0**	**0**	**0**
Nevada Refining Co.									
Tonopah	4,500	0	4,700	0	2,500	0	0	0	0
New Jersey	**434,400**	**0**	**456,400**	**0**	**244,100**	**21,500**	**251,000**	**37,000**	**77,500**
Amerada Hess Corp.									
Port Reading	0	0	0	0	0	0	50,000	0	0
Chevron U.S.A. Inc.									
Perth Amboy	80,000	0	85,000	0	46,000	0	0	0	0
Coastal Eagle Point Oil Co.									
Westville	90,000	0	95,000	0	35,000	0	45,000	12,000	[4] 26,000
Exxon Co. U.S.A.									
Linden	120,000	0	125,000	0	66,000	0	120,000	25,000	[4] 28,000
Mobil Oil Corp.									
Paulsboro	100,000	0	104,000	0	62,400	[3] 21,500	36,000	0	[1] 23,500
Seaview Petroleum Inc.									
Paulsboro	44,400	0	47,400	0	34,700	0	0	0	0
New Mexico	**75,600**	**0**	**84,607**	**0**	**13,900**	**0**	**27,100**	**6,100**	**19,200**
Bloomfield Refining Co.									
Bloomfield	16,800	0	18,107	0	0	0	5,400	500	[1] 3,400

31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
sippi (Continued)											
urg	0	[9] 5,000	0	0	12,000	0	0	5,000	2	0	0
urg	0	0	0	0	0	0	0	0	0	0	0
rton	0	0	0	0	3,575	0	0	0	0	0	0
sville	0	0	0	0	5,060	0	0	0	0	0	0
na	**4,900**	**121,400**	**4,000**	**12,180**	**26,700**	**0**	**4,650**	**0**	**19**	**2,175**	**37**
	0	[2] 18,000 [6] 15,000	4,000	3,780	8,000	0	[7] 1,250	0	0	0	37
	0	[6] 3,500 [9] 38,000	0	5,000	6,500	0	[7] 3,400	0	0	0	0
	4,900	[2] 15,500 [6] 20,000 [9] 6,000	0	3,400	11,000	0	0	0	19	2,175	0
k	0	[2] 2,300 [6] 900	0	0	0	0	0	0	0	0	0
falls	0	[2] 1,000 [6] 1,200	0	0	1,200	0	0	0	0	0	0
a	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
ah	0	0	0	0	0	0	0	0	0	0	0
ersey	**0**	**284,500**	**0**	**23,000**	**94,850**	**3,500**	**25,000**	**8,500**	**16**	**5,050**	**3,592**
eading	0	0	0	4,500	0	0	0	0	0	0	10
Amboy	0	0	0	0	35,000	0	0	0	0	0	0	0
le	0	[2] 26,000 [6] 15,000	0	4,000	0	3,500	0	0	0	0	3,000
	0	[5] 50,000 [2] 48,000 [6] 65,000	0	9,500	38,000	0	[8] 25,000	0	5	0	433
oro	0	[2] 23,500 [6] 42,000 [9] 15,000	0	5,000	0	0	0	8,500	11	5,050	149
oro	0	0	0	0	21,850	0	0	0	0	0	0
exico	**0**	**29,200**	**0**	**3,200**	**4,100**	**0**	**4,000**	**0**	**0**	**0**	**0**
eld	0	[2] 3,400	0	0	0	0	0	0	0	0	0

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
= Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1987.
urce: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catal Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
New Mexico (Continued)									
Giant Refining Co.									
Gallup	18,000	0	19,000	0	7,900	0	7,200	3,600	[1] 6,8
Navajo Refining Co.									
Artesia	34,700	0	40,000	0	6,000	0	14,500	2,000	[1] 8,0
Thriftway Co.									
Bloomfield	6,100	0	7,500	0	0	0	0	0	[4] 1,0
New York	**41,850**	**0**	**45,000**	**0**	**27,000**	**0**	**0**	**0**	
Cibro Petroleum Products Inc.									
Albany	41,850	0	45,000	0	27,000	0	0	0	
North Carolina	**3,000**	**10,000**	**3,500**	**12,000**	**0**	**0**	**0**	**0**	
City Gas & Transmission Corp.									
Wilmington *	0	10,000	0	12,000	0	0	0	0	
GNC Energy Corp.									
Greensboro	3,000	0	3,500	0	0	0	0	0	
North Dakota	**58,000**	**0**	**60,000**	**0**	**0**	**0**	**26,000**	**5,200**	**12,1**
Amoco Oil Co.									
Mandan	58,000	0	60,000	0	0	0	26,000	5,200	[1] 12,1
Ohio	**488,100**	**0**	**507,000**	**0**	**185,000**	**31,200**	**177,000**	**25,300**	**161,6**
Ashland Oil Inc.									
Canton	66,000	0	68,000	0	33,000	0	25,000	0	[4] 20,0
Standard Oil Co.									
Lima	171,000	0	180,000	0	54,000	[3] 17,500	37,000	7,800	[4] 54,0
Toledo	126,100	0	130,000	0	68,000	[3] 13,700	55,000	16,500	[1] 42,0
Sun Co Inc.									
Toledo	125,000	0	129,000	0	30,000	0	60,000	1,000	[1] 45,6
Oklahoma	**381,500**	**0**	**398,700**	**0**	**129,000**	**27,000**	**131,000**	**6,400**	**90,0**
Barrett Refining Corp.									
Thomas	10,500	0	11,200	0	0	0	0	0	
Conoco Inc.									
Ponca City	134,000	0	138,000	0	40,000	[3] 20,500	46,000	0	[1] 34,5
Kerr-McGee Refining Corp.									
Wynnewood	43,000	0	45,000	0	13,000	0	16,500	0	[1] 8,5
Sinclair Oil Corp.									
Tulsa	47,000	0	50,000	0	15,000	0	18,000	5,000	[1] 12,0
Sun Co Inc.									
Tulsa	85,000	0	90,000	0	29,000	[3] 6,500	28,000	1,400	[1] 23,0
Total Petroleum Inc.									
Ardmore	62,000	0	64,500	0	32,000	0	22,500	0	[4] 12,0

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
w Mexico (Continued)											
up	0	[2] 6,800	0	1,400	700	0	[8] 4,000	0	0	0	0
esia	0	[2] 10,000 [6] 9,000	0	1,800	3,400	0	0	0	0	0	0
omfield	0	0	0	0	0	0	0	0	0	0	0
v York	**0**	**0**	**0**	**0**	**13,000**	**0**	**0**	**0**	**0**	**0**	**0**
any	0	0	0	0	13,000	0	0	0	0	0	0
th Carolina	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
n ngton *	0	0	0	0	0	0	0	0	0	0	0
ensboro	0	0	0	0	0	0	0	0	0	0	0
th Dakota	**0**	**17,000**	**0**	**3,400**	**0**	**0**	**4,000**	**0**	**0**	**0**	**17**
dan	0	[2] 17,000	0	3,400	0	0	[8] 4,000	0	0	0	17
o	**87,000**	**190,000**	**9,000**	**25,800**	**14,500**	**17,495**	**10,693**	**5,000**	**65**	**6,390**	**238**
ton	0	[5] 23,000 [2] 20,000 [6] 7,000	0	7,000	12,000	0	[8] 6,500	0	0	0	55
a	24,000	[2] 60,000	0	0	0	8,495	[7] 4,193	5,000	0	3,200	38
do	35,000	[2] 40,000	0	11,000	0	0	0	0	24	3,190	100
do	28,000	[2] 40,000	9,000	7,800	2,500	9,000	0	0	41	0	45
ahoma	**5,000**	**170,000**	**10,900**	**33,600**	**19,000**	**2,000**	**19,200**	**9,725**	**9**	**5,061**	**40**
mas	0	0	0	0	0	0	0	0	0	0	0
ca City	0	[2] 34,500 [6] 24,000	0	12,000	0	0	[7] 4,500	2,225	0	3,561	0
newood	5,000	[2] 10,000	5,000	4,600	5,000	0	[8] 2,600	0	9	0	0
a	0	[2] 12,000 [6] 5,000	0	3,000	3,200	0	[8] 8,000	0	0	0	20
a	0	[2] 24,000 [9] 10,500	5,900	7,000	4,800	2,000	[7] 3,000	7,500	0	1,500	0
nore	0	[5] 32,000 [2] 18,000	0	7,000	6,000	0	[8] 1,100	0	0	0	20

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyti Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Oregon	**0**	**0**	**0**	**0**	**16,000**	**0**	**0**	**0**	
Chevron U.S.A. Inc.									
Willbridge	0	0	0	0	16,000	0	0	0	
Pennsylvania	**727,000**	**0**	**759,500**	**0**	**319,300**	**0**	**259,300**	**12,300**	**207,69**
Atlantic Refining & Marketing Corp.									
Philadelphia	125,000	0	130,000	0	83,000	0	29,000	0	[1] 60,00
BP Oil Corp.									
Marcus Hook	172,000	0	180,000	0	75,000	0	50,000	1,600	[4] 48,00
Chevron U.S.A. Inc.									
Philadelphia	174,100	0	180,000	0	80,000	0	73,300	6,500	[1] 34,00
Pennzoil Products Co.									
Rouseville	15,700	0	16,500	0	6,500	0	0	0	[4] 5,82
Quaker State Oil Refining Corp.									
Smethport	6,700	0	7,000	0	2,800	0	0	0	[1] 2,27
Sun Co Inc.									
Marcus Hook	165,000	0	175,000	0	46,000	0	87,000	4,000	[1] 39,60
United Refining Co.									
Warren	60,000	0	62,000	0	26,000	0	20,000	200	[1] 16,00
Witco Corp.									
Bradford	8,500	0	9,000	0	0	0	0	0	[1] 2,00
Tennessee	**60,000**	**0**	**65,000**	**0**	**10,000**	**0**	**30,000**	**0**	**10,00**
Mapco Petroleum Inc.									
Memphis	60,000	0	65,000	0	10,000	0	30,000	0	[4] 10,00
Texas	**3,902,900**	**236,100**	**4,170,400**	**247,000**	**1,843,700**	**377,900**	**1,602,500**	**135,200**	**1,134,20**
Amber Refining Inc.									
Fort Worth *	0	19,700	0	20,700	3,500	0	0	2,600	[4] 1,70 [1] 3,50
Amoco Oil Co.									
Texas City	400,000	0	415,000	0	195,000	[3] 38,000	194,000	43,000	[4] 63,00 [1] 97,00
Champlin Refining Co.									
Corpus Christi	155,200	0	160,000	0	75,000	[3] 29,600	55,000	2,100	[4] 52,20

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
on	0	0	0	0	11,500	0	0	0	0	0	0
idge	0	0	0	0	11,500	0	0	0	0	0	0
sylvania	51,000	475,020	16,000	45,500	33,000	12,300	11,950	20,200	58	0	440
delphia	30,000	[5] 24,000 [2] 54,000 [6] 50,000	0	0	25,000	0	0	0	45	0	203
us Hook	21,000	[5] 50,000 [2] 56,000 [6] 44,000	0	10,500	0	0	[7] 4,000	0	0	0	172
delphia	0	[2] 34,000 [6] 30,000	16,000	20,000	0	5,300	0	0	0	0	45
eville	0	[2] 6,500 [9] 7,800	0	0	0	0	[8] 1,150	4,750	4	0	0
hport	0	[2] 2,520	0	0	0	0	0	2,450	0	0	0
us Hook	0	[2] 54,300 [6] 27,400 [9] 6,000	0	12,000	0	7,000	0	10,000	[3]	0	0
en	0	[2] 20,000 [6] 6,000	0	3,000	8,000	0	[8] 6,800	0	0	0	20
ord	0	[2] 2,500	0	0	0	0	0	3,000	0	0	0
essee	0	33,500	0	2,500	0	0	0	0	0	0	45
phis	0	[2] 13,500 [6] 16,000 [9] 4,000	0	2,500	0	0	0	0	0	0	45
s	276,000	3,082,450	94,300	267,000	66,025	166,105	128,090	87,300	677	61,385	6,737
Worth *	0	[2] 6,400	0	300	0	0	0	0	0	0	0
s City	115,500	[5] 76,000 [2] 126,000 [6] 60,000	0	45,000	0	45,000	[8] 27,000	0	180	13,900	1,400
us Christi	0	[5] 52,000 [2] 61,000 [6] 37,000	0	19,000	0	4,980	0	0	65	10,413	230

High Pressure
C_4
[2] Naphtha/Reformer Feeds
[8] C_5 and C_6
[3] Delayed Coking
[9] Other/Residual
[4] Low Pressure
[10] Fluid Coking
[5] Heavy Gas Oil
[11] Visbreaking
[6] Distillate
[12] Other/Gas Oil
= Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1987.
ource: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Cataly Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Texas (Continued)									
Chevron U.S.A. Inc.									
El Paso	66,000	10,000	68,000	10,000	54,000	0	22,000	0	[4] 25,00
Port Arthur	328,500	78,400	338,000	80,000	203,200	[3] 34,000	110,000	6,000	[4] 44,10 [1] 23,00
Coastal Refining & Marketing Inc.									
Corpus Christi	90,000	0	95,000	0	45,000	[11] 11,000 [3] 12,000	18,500	0	[1] 29,00
Crown Central Petroleum Corp.									
Pasadena	100,000	0	103,000	0	38,000	[3] 12,500	56,000	0	[4] 23,00 [1] 13,00
Diamond Shamrock Refining & Marketing Co.									
Sunray	100,000	0	102,000	0	45,000	0	45,000	0	[4] 29,00
Three Rivers	45,000	0	47,000	0	20,000	0	20,500	0	[4] 11,00
Donna Refinery Partners Ltd. (Formerly Listo Petroleum Co.)									
Donna	0	4,750	0	5,000	0	0	0	0	
El Paso Refining Co. Ltd.									
El Paso	21,600	0	22,600	0	0	[3] 4,000	7,000	1,000	[1] 6,00
Exxon Co. U.S.A.									
Baytown	426,000	67,000	448,000	69,000	258,000	[12] 28,000	155,000	15,000	[4] 123,00
Fina Oil & Chemical Co.									
Big Springs	55,000	0	60,000	0	25,000	[11] 3,500	23,000	0	[4] 20,00
Port Arthur	90,000	0	110,000	0	50,000	0	36,000	0	[4] 30,00
Hill Petroleum Co.									
Houston	65,000	0	69,000	0	28,000	[11] 7,500	50,000	0	[1] 13,50
Howell Hydrocarbons Corp.									
San Antonio	4,500	0	5,000	0	0	0	0	0	[1] 1,20
Koch Refining Co.									
Corpus Christi	125,000	0	130,000	0	42,000	[3] 12,000	42,500	800	[4] 15,00 [1] 12,00
La Gloria Oil & Gas Co.									
Tyler	46,000	0	49,500	0	14,000	[3] 9,300	15,000	800	[4] 12,00 [1] 4,60
Leal Petroleum Corp.									
Nixon	15,900	5,000	17,100	7,500	0	0	0	0	
Liquid Energy Corp.									
Bridgeport	0	10,000	0	10,800	0	0	0	0	
Lyondell Petrochemical Co.									
Houston	260,000	0	314,000	0	127,000	[3] 45,000	85,000	0	[4] 25,00 [1] 83,00

e 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
s (Continued)											
so	0	[2] 25,000 [6] 18,000	0	5,500	5,500	0	[7] 3,000	0	0	0	47
Arthur	0	[5] 40,000 [2] 67,100 [6] 98,000 [9] 13,900	5,000	16,900	0	12,500	[8] 7,200	9,000	0	9,200	532
s Christi	11,000	[5] 25,000 [2] 32,000 [6] 24,000	0	3,000	5,000	5,500	[8] 5,200	0	24	4,452	85
lena	0	[2] 28,000 [6] 7,000	0	10,000	0	2,000	0	0	0	1,500	16
y	0	[2] 35,500	15,000	9,000	5,000	0	0	0	0	0	25
Rivers	0	[2] 11,000	7,000	6,000	500	0	0	1,000	0	0	0
s	0	0	0	0	0	0	0	0	0	0	0
so	0	[2] 6,000	0	2,400	0	0	[7] 700	0	0	300	0
wn	19,000	[5] 95,000 [2] 162,500 [6] 223,000 [9] 44,100	35,000	29,000	7,000	0	0	31,200	85	500	1,238
prings	0	[5] 6,000 [2] 25,000 [6] 11,000	10,000	6,000	5,500	0	0	0	0	0	50
Arthur	18,500	[2] 35,000 [6] 32,000 [9] 15,000	18,000	4,500	2,000	8,500	[8] 8,000	0	0	0	170
on	0	[2] 16,000 [6] 30,000	0	5,500	5,000	2,800	0	0	0	0	200
ntonio	0	0	0	0	0	1,200	0	0	0	0	0
s Christi	0	[2] 28,000 [6] 9,000	0	8,400	0	7,300	0	0	0	2,000	50
	0	[2] 20,000	0	4,700	0	0	[7] 500 [8] 2,500	0	17	1,200	11
	0	[2] 9,500 [6] 8,000 [9] 1,000	0	0	0	0	[7] 1,000 [8] 1,000	0	0	0	0
port	0	0	0	0	0	0	0	0	0	0	0
on	0	[5] 82,000 [2] 132,000 [6] 93,000 [9] 6,600	0	0	0	36,000	0	6,600	0	10,900	392

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
= Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1987.
ource: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Texas (Continued)									
Marathon Petroleum Co.									
Texas City	69,500	0	74,000	0	27,000	0	39,000	1,000	[1] 9,000
Mobil Oil Corp.									
Beaumont	275,000	0	290,000	0	86,000	[3] 29,500	102,000	0	[4] 46,000 [1] 57,000
Petrolite Corp.									
Kilgore	1,000	0	1,400	0	400	0	0	0	0
Phillips 66 Co.									
Borger	105,000	0	110,000	0	0	0	60,000	10,400	[1] 26,000
Sweeny	175,000	0	195,000	0	83,000	0	87,000	12,000	[1] 36,000
Pride Refining Inc.									
Abilene	28,500	14,250	30,000	15,000	12,500	0	0	0	0
Shell Oil Co.									
Deer Park	214,000	0	225,000	0	89,000	[11] 55,000 [12] 18,000	65,000	5,000	[4] 44,000 [1] 20,000
Odessa	28,600	0	29,500	0	10,000	0	10,500	0	[1] 11,000
South Hampton Refining Co.									
Silsbee	0	0	0	0	0	0	0	0	[4] 400
Southwestern Refining Co. Inc.									
Corpus Christi	104,000	0	108,000	0	36,000	0	52,000	0	[1] 30,000
Texaco Refining & Marketing Inc.									
Port Arthur/Port Neches	250,000	0	278,000	0	143,100	0	110,000	31,500	[4] 40,000
Texas City Refining Inc.									
Texas City	119,600	0	130,000	0	54,000	[11] 19,000	43,500	0	[1] 23,000
Trifinery									
Corpus Christi	0	27,000	0	29,000	15,000	[11] 10,000	0	0	0
Unocal Corp.									
Nederland	120,000	0	126,300	0	43,000	0	39,000	4,000	[4] 20,000 [1] 12,000
Valero Refining Co.									
Corpus Christi	19,000	0	20,000	0	22,000	0	60,000	0	0
Utah	**154,500**	**0**	**160,000**	**0**	**45,380**	**8,500**	**54,800**	**10,600**	**28,550**
Amoco Oil Co.									
Salt Lake City	40,000	0	41,500	0	0	0	18,000	4,000	[1] 7,650
Big West Oil Co.									
North Salt Lake	24,000	0	25,000	0	3,800	0	4,400	2,500	[1] 5,000
Chevron U.S.A. Inc.									
Salt Lake City	45,000	0	46,000	0	35,500	[3] 8,500	18,000	1,000	[1] 5,500
Crysen Refining Inc.									
Woods Cross	12,500	0	13,000	0	2,880	0	0	0	[4] 2,400

31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
(Continued)											
City	0	0	0	10,000	0	2,500	0	0	0	0	0
ont	32,000	[2] 92,000 [6] 116,000 [9] 5,650	0	13,000	0	0	[8] 20,000	8,300	60	7,020	110
	0	0	0	0	125	0	0	0	0	0	0
	0	[2] 26,500 [6] 40,000 [9] 50,000	0	14,000	0	0	[7] 10,100 [8] 24,600	0	50	0	381
	0	[2] 53,000 [6] 50,000 [9] 75,000	0	10,500	0	5,575	[8] 16,900	0	80	0	420
	0	0	0	0	0	0	0	0	0	0	0
ark	65,000	[5] 45,000 [2] 65,000 [6] 82,500 [9] 49,000	4,300	8,100	5,900	20,000	0	10,700	65	0	577
	0	[2] 11,000	0	3,300	0	350	0	0	0	0	0
	0	[2] 1,600 [9] 500	0	0	0	400	[8] 390	0	1	0	0
Christ	0	[5] 18,000 [2] 40,000 [6] 27,000	0	4,500	0	6,500	0	0	0	0	129
ur Port Neches	15,000	[2] 40,000 [6] 80,000 [9] 18,500	0	9,000	14,000	0	0	17,400	0	0	262
City	0	[2] 23,000 [6] 29,000	0	6,200	0	0	0	0	0	0	31
Christi	0	0	0	0	8,000	0	0	0	0	0	0
ra	0	[2] 53,600	0	4,200	2,500	5,000	0	3,100	0	0	16
Christ	0	[9] 58,000	0	9,000	0	0	0	0	50	0	365
	2,000	39,250	5,000	11,400	3,200	0	4,750	0	0	1,750	13
e City	0	[2] 7,650	0	4,000	0	0	[7] 1,400	0	0	0	0
s Lake	0	[2] 6,000	0	1,000	0	0	0	0	0	0	0
e City	0	[2] 5,500 [6] 5,500	0	4,300	0	0	[7] 750	0	0	1,750	13
Cross	0	0	0	0	1,500	0	0	0	0	0	0

gh Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[8] C_5 and C_6 [9] Other Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

Estimated. MMcfd = Million cubic feet per day.
eported no inputs during 1987
rce: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyt Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Utah (Continued)									
Pennzoil Products Co. (Formerly Seagull Refining Co.) Roosevelt	8,000	0	8,500	0	0	0	6,000	500	[1] 2,00
Phillips 66 Co. Woods Cross	25,000	0	26,000	0	3,200	0	8,400	2,600	[1] 6,00
Virginia	**53,400**	**0**	**55,550**	**0**	**29,000**	**13,500**	**27,000**	**2,000**	**9,50**
Amoco Oil Co. Yorktown	51,000	0	53,000	0	29,000	[3] 13,500	27,000	2,000	[4] 9,50
Primary Oil & Energy Corp. Chester	2,400	0	2,550	0	0	0	0	0	
Washington	**451,900**	**0**	**470,754**	**0**	**218,500**	**68,000**	**100,000**	**19,500**	**119,80**
Arco Petroleum Products Co. Ferndale	162,000	0	170,000	0	95,000	[3] 50,000	0	0	[4] 56,00
Chevron U.S.A. Inc. Richmond Beach	0	0	0	0	6,000	0	0	0	
Mobil Oil Corp. Ferndale	77,000	0	79,000	0	28,000	0	25,500	2,000	[4] 11,80
Shell Oil Co. Anacortes	82,000	0	85,000	0	35,500	0	39,500	8,500	[4] 25,00
Sound Refining Inc. Tacoma	11,900	0	12,754	0	6,000	0	0	0	
Texaco Refining & Marketing Inc. Anacortes	87,000	0	90,000	0	30,000	[3] 18,000	35,000	9,000	[1] 21,00
U.S. Oil & Refining Co. Tacoma	32,000	0	34,000	0	18,000	0	0	0	[1] 6,00
West Virginia	**16,808**	**0**	**17,500**	**0**	**9,675**	**0**	**0**	**0**	**3,75**
Mid Atlantic Fuels Inc. (Formerly Quaker State Oil Refining Corp.) St. Mary's	4,658	0	5,000	0	2,175	0	0	0	[1] 1,60
Quaker State Oil Refining Corp. Newell	12,150	0	12,500	0	7,500	0	0	0	[4] 2,15
Wisconsin	**32,000**	**0**	**34,000**	**0**	**20,500**	**0**	**9,700**	**1,000**	**8,00**
Murphy Oil U.S.A. Inc. Superior	32,000	0	34,000	0	20,500	0	9,700	1,000	[4] 8,00
Wyoming	**164,555**	**350**	**170,300**	**400**	**75,000**	**9,000**	**62,000**	**12,200**	**32,25**
Amoco Oil Co. Casper	40,000	0	41,000	0	16,000	0	13,500	2,700	[1] 7,00

e 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
(Continued)											
evelt	2,000	[2] 2,000	0	0	0	0	0	0	0	0	0
s Cross	0	[2] 11,000 [6] 1,600	5,000	2,100	1,700	0	[8] 2,600	0	0	0	0
nia	**0**	**25,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5,100**	**73**
own	0	[2] 9,500 [6] 15,500	0	0	0	0	0	0	0	5,100	73
er	0	0	0	0	0	0	0	0	0	0	0
ington	**52,000**	**190,800**	**20,000**	**23,400**	**16,000**	**0**	**2,750**	**0**	**80**	**16,400**	**254**
ale	52,000	[2] 38,000 [6] 18,000	0	0	0	0	0	0	80	12,500	180
nond Beach	0	0	0	0	5,000	0	0	0	0	0	0
ale	0	[2] 13,500 [6] 15,000	0	5,900	0	0	0	0	0	0	21
rtes	0	[5] 7,500 [2] 25,000 [6] 20,000	15,000	10,900	0	0	[7] 2,750	0	0	0	0
na	0	0	0	0	3,000	0	0	0	0	0	0
rtes	0	[2] 21,000 [6] 13,000 [9] 10,000	5,000	6,600	0	0	0	0	0	3,900	46
na	0	[5] 3,800 [2] 6,000	0	0	8,000	0	0	0	0	0	7
Virginia	**4,440**	**0**	**0**	**0**	**0**	**0**	**0**	**4,571**	**1**	**0**	**0**
ary's	0	0	0	0	0	0	0	1,306	0	0	0
l	4,440	0	0	0	0	0	0	3,265	1	0	0
nsin	**0**	**14,800**	**0**	**1,400**	**13,500**	**0**	**0**	**0**	**0**	**0**	**14**
or	0	[2] 9,000 [6] 5,800	0	1,400	13,500	0	0	0	0	0	14
ning	**0**	**48,800**	**0**	**9,650**	**16,950**	**0**	**3,500**	**1,600**	**0**	**3,250**	**42**
r	0	[2] 7,100	0	2,500	550	0	0	1,600	0	0	0

High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
= Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1987.
ource: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyt Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Wyoming (Continued)									
Frontier Refining Co.									
Cheyenne	33,500	0	35,300	0	17,000	[3] 9,000	12,000	500	[1] 6,50
Little America Refining Co.									
Evansville	24,500	0	25,500	0	12,000	0	10,500	5,000	[1] 6,00
Mountaineer Refining Co. Inc.									
La Barge	0	350	0	400	0	0	0	0	
Sinclair Oil Corp.									
Sinclair	54,000	0	55,000	0	30,000	0	21,000	1,000	[1] 10,00
Wyoming Refining Co.									
Newcastle	12,555	0	13,500	0	0	0	5,000	3,000	[1] 2,75
U.S. Total	**15,017,968**	**897,450**	**15,831,483**	**993,075**	**7,198,245**	**2,080,300**	**5,424,150**	**381,425**	**3,891,29**
Guam	**0**	**43,900**	**0**	**47,100**	**1,400**	**0**	**0**	**0**	
Guam Oil & Refining Co. Inc.									
Agana *	0	43,900	0	47,100	1,400	0	0	0	
Puerto Rico	**121,000**	**0**	**128,000**	**0**	**65,000**	**0**	**13,500**	**0**	**54,50**
Caribbean Gulf Refining Corp.									
(Formerly Chevron U.S.A. Inc.)									
San Juan	36,000	0	41,000	0	20,000	0	13,500	0	[4] 6,50
Phillips Puerto Rico Core Inc.									
Guayama	0	0	0	0	0	0	0	0	[4] 36,00 [1] 12,00
Sun Co Inc.									
Yabucoa	85,000	0	87,000	0	45,000	0	0	0	
Virgin Islands	**470,000**	**75,000**	**510,000**	**85,000**	**215,000**	**85,000**	**0**	**0**	**115,00**
Amerada Hess Corp.									
St. Croix	470,000	75,000	510,000	85,000	215,000	[11] 85,000	0	0	[4] 90,00 [1] 25,00

e 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1988 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
ming (Continued)											
enne	0	[2] 7,500 [6] 4,500	0	2,750	7,000	0	[7] 1,500	0	0	2,250	24
sville	0	[6] 3,700	0	0	4,400	0	0	0	0	0	0
rge	0	0	0	0	0	0	0	0	0	0	0
ir	0	[2] 14,000 [6] 12,000	0	3,500	5,000	0	[7] 2,000	0	0	1,000	18
astle	0	0	0	900	0	0	0	0	0	0	0
Total	**1,202,030**	**9,169,803**	**240,200**	**993,040**	**788,018**	**288,559**	**465,268**	**232,221**	**2,418**	**368,308**	**27,639**
n	**0**	**0**	**0**	**0**	**350**	**0**	**0**	**0**	**0**	**0**	**0**
a *	0	0	0	0	350	0	0	0	0	0	0
o Rico	**15,000**	**77,800**	**0**	**0**	**1,000**	**15,000**	**0**	**9,000**	**18**	**0**	**80**
Juan	0	[2] 6,800 [6] 11,000	0	0	1,000	0	0	0	0	0	12
ama	0	[2] 50,000	0	0	0	15,000	0	0	0	0	0
coa	15,000	[5] 10,000	0	0	0	0	0	9,000	18	0	68
n Islands	**0**	**420,000**	**0**	**0**	**0**	**35,000**	**18,000**	**0**	**0**	**0**	**580**
roix	0	[5] 130,000 [2] 125,000 [6] 165,000	0	0	0	35,000	[8] 18,000	0	0	0	580

[1] High Pressure [2] Naphtha/Reformer Feeds [3] Delayed Coking [4] Low Pressure [5] Heavy Gas Oil [6] Distillate
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1988

Refiner	Barrels per Calendar Day
Companies with Capacity Over 100,000 B/CD	
Chevron U.S.A. Inc.	**1,902,000**
Port Arthur, Texas	406,900
El Segundo, California	405,000
Richmond, California	350,000
Pascagoula, Mississippi	295,000
Philadelphia, Pennsylvania	174,100
Perth Amboy, New Jersey	80,000
El Paso, Texas	76,000
Honolulu, Hawaii	48,000
Salt Lake City, Utah	45,000
Kenai, Alaska	22,000
Exxon Co. U.S.A.	**1,236,000**
Baytown, Texas	493,000
Baton Rouge, Louisiana	455,000
Benicia, California	126,000
Linden, New Jersey	120,000
Billings, Montana	42,000
Shell Oil Co.	**1,065,700**
Wood River, Illinois	274,000
Norco, Louisiana	215,000
Deer Park, Texas	214,000
Martinez, California	140,100
Carson, California	112,000
Anacortes, Washington	82,000
Odessa, Texas	28,600
Amoco Oil Co.	**967,000**
Texas City, Texas	400,000
Whiting, Indiana	350,000
Mandan, North Dakota	58,000
Yorktown, Virginia	51,000
Salt Lake City, Utah	40,000
Casper, Wyoming	40,000
Savannah, Georgia	28,000
Texaco Refining & Marketing Inc.	**881,500**
Port Arthur/Port Neches, Texas	250,000
Convent, Louisiana	225,000
Delaware City, Delaware	140,000
Anacortes, Washington	87,000
El Dorado, Kansas	81,500
Wilmington, California	57,000
Bakersfield, California	41,000
Mobil Oil Corp.	**755,000**
Beaumont, Texas	275,000
Joliet, Illinois	180,000
Torrance, California	123,000
Paulsboro, New Jersey	100,000
Ferndale, Washington	77,000
Atlantic Richfield Co.	**668,000**
Arco Petroleum Products Co.	
Carson, California	214,000
Ferndale, Washington	162,000
Lyondell Petrochemical Co.	
Houston, Texas	260,000
Arco Alaska Inc.	
Prudhoe Bay, Alaska	20,000
Anchorage, Alaska	12,000
Standard Oil Co.	**667,600**
Belle Chasse, Louisiana	198,500
Lima, Ohio	171,000
Toledo, Ohio	126,100
BP Oil Corp.	
Marcus Hook, Pennsylvania	172,000
U.S. Steel Corp.	**588,000**
Marathon Petroleum Co.	
Garyville, Louisiana	255,000
Robinson, Illinois	195,000
Texas City, Texas	69,500
Detroit, Michigan	68,500
Unocal Corp.	**497,000**
Lemont, Illinois	151,000
Nederland, Texas	120,000
Wilmington, California	108,000
Rodeo, California	77,000
Arroyo Grande, California	41,000
E I Du Pont De Nemours & Co.	**394,300**
Conoco Inc.	
Westlake, Louisiana	156,500
Ponca City, Oklahoma	134,000
Billings, Montana	48,500
Commerce City, Colorado	43,000
Santa Maria, California	9,500
Egan, Louisiana	2,800
Sun Co Inc.	**375,000**
Marcus Hook, Pennsylvania	165,000
Toledo, Ohio	125,000
Tulsa, Oklahoma	85,000
Ashland Oil Inc.	**346,543**
Catlettsburg, Kentucky	213,400
St. Paul, Minnesota	67,143
Canton, Ohio	66,000
Coastal Corp., The	**320,800**
Coastal Eagle Point Oil Co.	
Westville, New Jersey	90,000
Coastal Refining & Marketing Inc.	
Corpus Christi, Texas	90,000
Derby Refining Co.	
El Dorado, Kansas	30,400
Wichita, Kansas	28,800
Pacific Refining Co. Inc.	
Hercules, California	55,000
Belcher Oil Co.	
Chickasaw, Alabama	26,600
Citgo Petroleum Corp./Petroleos De Venezuela	
Citgo Petroleum Corp.	
Lake Charles, Louisiana	**320,000**
Phillips 66 Co.	**305,000**
Sweeny, Texas	175,000
Borger, Texas	105,000
Woods Cross, Utah	25,000

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1988 (Continued)

Refiner	Barrels per Calendar Day
Trans America Refining Co. *	
Good Hope, Louisiana	**300,000**
Koch Industries Inc.	**280,000**
Koch Refining Co.	
St. Paul, Minnesota	155,000
Corpus Christi, Texas	125,000
Total Petroleum Inc.	**191,100**
Ardmore, Oklahoma	62,000
Arkansas City, Kansas	53,600
Alma, Michigan	42,000
Colorado Refining Co. [1]	
Commerce City, Colorado	33,500
Kerr-McGee Corp.	**164,800**
Southwestern Refining Co. Inc.	
Corpus Christi, Texas	104,000
Kerr-McGee Refining Corp.	
Wynnewood, Oklahoma	43,000
Dubach, Louisiana	10,000
Cotton Valley, Louisiana	7,800
Solomon Inc.	**155,700**
Hill Petroleum Co.	
Houston, Texas	65,000
Krotz Springs, Louisiana	56,000
St.Rose, Louisiana	34,700
Union Pacific Corp./Petroleos De Venezuela	
Champlin Refining Co.	
Corpus Christi, Texas	**155,200**
Mapco Petroleum Inc.	**150,000**
North Pole, Alaska	90,000
Memphis, Tennessee	60,000
Diamond Shamrock Refining & Marketing Co.	**145,000**
Sunray, Texas	100,000
Three Rivers, Texas	45,000
Tina Oil & Chemical Co.	**145,000**
Port Arthur, Texas	90,000
Big Springs, Texas	55,000
Tenneco Oil Co.	
Chalmette, Louisiana	**145,000**
Apex Oil Co.	**128,200**
Clark Oil & Refining Corp.	
Blue Island, Illinois	64,600
Hartford, Illinois	63,600
Tosco Corp.	
Martinez, California	**126,000**
Sinclair Oil Corp.	**125,500**
Sinclair, Wyoming	54,000
Tulsa, Oklahoma	47,000
Little America Refining Co.	
Evansville, Wyoming	24,500
Atlantic Refining & Marketing Corp.	
Philadelphia, Pennsylvania	**125,000**
Murphy Oil U.S.A. Inc.	**124,500**
Meraux, Louisiana	92,500
Superior, Wisconsin	32,000
Agway Petroleum Corp.	
Texas City Refining Inc.	
Texas City, Texas	**119,600**
Total	**13,870,043**
Companies with Capacity 30,001 to 100,000 B/CD	
Crown Central Petroleum Corp.	
Pasadena, Texas	**100,000**
Farmland Industries Inc.	**82,900**
Coffeyville, Kansas	56,500
Phillipsburg, Kansas	26,400
LL&E Petroleum Marketing	
Saraland, Alabama	**80,000**
National Cooperative Refinery Association	
McPherson, Kansas	**75,600**
Tesoro Petroleum Corp.	
Kenai, Alaska	**72,000**
Pennzoil Products Co.	**69,900**
Shreveport, Louisiana	46,200
Rouseville, Pennsylvania	15,700
Roosevelt, Utah [2]	8,000
Coral Petroleum Co.	**69,500**
United Refining Co.	
Warren, Pennsylvania	60,000
Vulcan Refining Co.	
Cordova, Alabama	9,500
Pacific Resources Inc.	
Hawaiian Independent Refinery Inc.	
Ewa Beach, Hawaii	**67,900**
Union Pacific Resources Co. [3]	
Wilmington, California	**65,000**
Lion Oil Co.	
El Dorado, Arkansas	**48,000**
Paramount Petroleum Corp.	
Paramount, California	**46,500**
Placid Refining Co.	
Port Allen, Louisiana	**46,000**
Texas Eastern Corp.	
La Gloria Oil & Gas Co.	
Tyler, Texas	**46,000**
Seaview Petroleum Inc.	
Paulsboro, New Jersey	**44,400**

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1988 (Continued)

Refiner	Barrels per Calendar Day
Rock Island Refining Corp.	
Indianapolis, Indiana	**43,000**
Pride Refining Inc.	
Abilene, Texas	**42,750**
Thrifty Oil Co.	
Golden West Refining Co.	
Santa Fe Springs, California	**42,000**
Cirillo Brothers Oil Co.	
Cibro Petroleum Products Inc.	
Albany, New York	**41,850**
Triad Terminal Corp.	
Edgington Oil Co. Inc.	
Long Beach, California	**41,600**
Cenex	
Laurel, Montana	**41,450**
Holly Corp.	**41,000**
Navajo Refining Co.	
Artesia, New Mexico	34,700
Montana Refining Co.	
Great Falls, Montana	6,300
Sargent Holdings Ltd.	
Powerine Oil Co.	
Santa Fe Springs, California	**35,000**
Frontier Refining Co.	
Cheyenne, Wyoming	**33,500**
Hunt Oil Co.	
Tuscaloosa, Alabama	**33,500**
Time Oil Co.	
U.S. Oil & Refining Co.	
Tacoma, Washington	**32,000**
Young Refining Corp.	**31,355**
Douglasville, Georgia	5,655
Seminole Refining Corp.	
St.Marks, Florida	17,000
Laketon Refining Corp.	
Laketon, Indiana	8,700
Total	**1,372,705**
Companies with Capacity 10,001 to 30,000 B/CD	
Amerada Hess Corp.	
Purvis, Mississippi	**30,000**
Flying J Petroleum Inc.	**29,600**
Cutbank, Montana	5,600
Big West Oil Co.	
North Salt Lake, Utah	24,000
Fletcher Oil & Refining Co.	
Carson, California	**29,500**
GAMXX Energy Inc. [4] *	
Theodore, Alabama	**27,000**
Trifinery	
Corpus Christi, Texas	**27,000**
Crysen Corp.	**24,400**
Crysen Refining Inc.	
Woods Cross, Utah	12,500
Sound Refining Inc.	
Tacoma, Washington	11,900
San Joaquin Refining Co. Inc.	
Bakersfield, California	**24,300**
Pauley Petroleum Inc.	
Newhall Refining Co. Inc.	
Newhall, California	**22,500**
El Paso Refining Co. Ltd.	
El Paso, Texas	**21,600**
Kern Oil & Refining Co.	
Bakersfield, California	**21,400**
Indiana Farm Bureau Cooperative Association	
Mount Vernon, Indiana	**21,200**
Leal Petroleum Corp.	
Nixon, Texas	**20,900**
Ergon Inc.	
Vicksburg, Mississippi	**20,600**
E-Z Serv Inc.	
Amber Refining Inc.	
Fort Worth, Texas	**19,700**
Valero Refining Co.	
Corpus Christi, Texas	**19,000**
Quaker State Oil Refining Corp.	**18,850**
Newell, West Virginia	12,150
Smethport, Pennsylvania	6,700
Giant Refining Co.	
Gallup, New Mexico	**18,000**
Texas NAPCO Inc.	
St.James, Louisiana	**17,000**
Gary Energy Corp.	
Bloomfield Refining Co.	
Bloomfield, New Mexico	**16,800**
VGS Corp.	**16,800**
Southland Oil Co.	
Sandersville, Mississippi	11,000
Lumberton, Mississippi	5,800
Huntway Refining Co.	**14,100**
Benicia, California	8,600
Wilmington, California	5,500

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1988 (Continued)

Refiner	Barrels per Calendar Day
MacMillan Petroleum Co. Signall Hill, California	14,000
Calcasieu Refining Co. Lake Charles, Louisiana	13,500
Wyoming Refining Co. Newcastle, Wyoming	12,555
World Oil Co. Sunland Refining Corp. Bakersfield, California	12,000
Barrett Refining Corp. Thomas, Oklahoma	10,500
Total	522,805
Companies with Capacity 10,000 B/CD or Less	
City Gas & Transmission Corp. Wilmington, North Carolina	10,000
Mitchell Energy & Development Corp. Liquid Energy Corp. Bridgeport, Texas	10,000
Gibson Oil & Refining Co. Inc. Bakersfield, California	9,600
Witco Corp. Bradford, Pennsylvania	8,500
Lunday Thagard Co. South Gate, California	8,100
Anchor Gasoline Corp. Canal Refining Co. Church Point, Louisiana	8,000
Claiborne Gasoline Co. Lisbon, Louisiana	7,500
Moore & Munger Marketing & Refining Inc. Cross Oil & Refining Co. of Arkansas Smackover, Arkansas	6,700
Petro Star North Pole, Alaska	6,700
Thriftway Co. Bloomfield, New Mexico	6,100
Petro Source Resources Inc. [5] * Vicksburg, Mississippi	6,000
Somerset Refinery Inc. Somerset, Kentucky	5,500
OGC Corp. [6] Egan, Louisiana	5,000
West Coast Oil Co. Oildale, California	5,000
Donna Refinery Partners Ltd. [7] * Donna, Texas	4,750
Mid Atlantic Fuels Inc. [8] St. Mary's, West Virginia	4,658
Howell Hydrocarbons Corp. San Antonio, Texas	4,500
Nevada Refining Co. Tonopah, Nevada	4,500
Calumet Refining Co. Princeton, Louisiana	4,207
Oxnard Refinery Oxnard, California	4,000
Warrior Asphalt Refining Corp. Holt, Alabama	4,000
Martin Gas Sales Inc. Berry Petroleum Co. Stephens, Arkansas	3,700
Crystal Refining Co. Carson City, Michigan	3,000
GNC Energy Corp. Greensboro, North Carolina	3,000
Primary Oil & Energy Corp. Chester, Virginia	2,400
Kentucky Oil & Refining Co.	1,600
Troy, Indiana	1,000
Betsy Lane, Kentucky	600
Motor Oils Refining Co. McCook, Illinois	1,500
Petrolite Corp. Kilgore, Texas	1,000
Mountaineer Refining Co. Inc. La Barge, Wyoming	350
Total	149,865
U.S. Total	15,915,418

[1] Formerly Asamera Oil(US) Inc.
[2] Formerly Seagull Refining Co.
[3] Formerly Champlin Petroleum Co.
[4] Formerly Marion Corp.
[5] Formerly Vicksburg Refining Inc.
[6] Formerly Louisiana Oil Refg. Co. of Egan.
[7] Formerly Listo Petroleum Co.
[8] Formerly Quaker State Oil Refining Corp.
* Refinery was reactivated during 1987.
Source: Form EIA-820, "Annual Refinery Report."

Table 33. Operable Crude and Downstream Charge Capacity of Petroleum Refineries, January 1, 1981 to January 1, 1989
(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Atmospheric Crude Oil Distillation	Downstream Charge Capacity							
		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrotreating	Fu So Deas
				Fresh	Recycled				
Jan 1, 1981	19,763	7,033	1,587	5,543	594	4,098	909	8,487	
Jan 1, 1982	19,018	7,197	1,782	5,474	562	3,966	892	8,539	
Jan 1, 1983	17,871	7,180	1,715	5,402	488	3,918	883	8,354	
Jan 1, 1984	17,059	7,165	1,852	5,310	492	3,907	952	9,009	
Jan 1, 1985	16,504	6,998	1,858	5,232	507	3,750	1,053	8,897	
Jan 1, 1986	16,346	6,892	1,880	5,214	463	3,744	1,125	8,791	
Jan 1, 1987	16,460	6,935	1,928	5,251	466	3,805	1,189	9,083	
Jan 1, 1988	**16,825**	**7,198**	**2,080**	**5,424**	**381**	**3,891**	**1,202**	**9,170**	
PADD I	1,554	735	81	602	56	354	74	898	
PADD II	3,435	1,273	371	1,226	63	907	162	1,830	
PADD III	7,915	3,363	1,024	2,644	187	1,811	493	4,612	
PADD IV	560	197	27	192	30	116	7	237	
PADD V	3,360	1,630	577	759	45	703	466	1,594	
Jan 1, 1989	**16,871**	**7,251**	**2,080**	**5,437**	**382**	**3,899**	**1,223**	**9,308**	
PADD I	1,554	749	81	602	56	354	74	913	
PADD II	3,485	1,303	371	1,226	63	907	151	1,835	
PADD III	7,924	3,371	1,024	2,657	187	1,818	525	4,662	
PADD IV	560	197	27	192	30	116	7	237	
PADD V	3,348	1,631	577	759	45	703	466	1,662	
1988-1989	**47**	**53**	**0**	**13**	**1**	**8**	**21**	**138**	
(Net Change)									
PADD I	0	14	0	0	0	0	0	15	
PADD II	50	30	0	0	0	0	-11	5	
PADD III	9	9	0	13	1	8	32	51	
PADD IV	0	(s)	0	0	0	0	0	0	
PADD V	-12	(s)	0	0	0	0	0	68	

NA = Not Available.
(s) = Less than 500 barrels per stream day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Form EIA-820, "Annual Refinery Report."

Table 34. Operable Production Capacity of Petroleum Refineries, January 1, 1981 to January 1, 1989
(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Production Capacity							
	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
an 1, 1981	974	765	299	131	234	2,054	276	NA
an 1, 1982	984	740	290	162	242	1,944	267	NA
an 1. 1983	960	722	237	212	241	2,298	296	NA
an 1, 1984	945	800	218	208	241	2,444	407	NA
an 1, 1985	917	767	215	219	243	2,572	424	NA
an 1, 1986	941	804	276	258	246	2,357	356	NA
an 1, 1987	974	788	287	326	250	2,569	364	23,806
an 1, 1988	**993**	**788**	**289**	**465**	**232**	**2,418**	**368**	**27,639**
PADD I	77	174	19	37	33	115	21	4,455
PADD II	258	231	55	145	37	181	75	3,356
PADD III	485	207	210	249	133	1,077	149	11,257
PADD IV	34	51	0	13	2	19	7	119
PADD V	139	125	4	21	27	1,026	116	8,452
an 1, 1989	**1,006**	**810**	**296**	**465**	**233**	**2,494**	**368**	**28,057**
PADD I	77	174	19	37	33	116	21	4,455
PADD II	259	251	55	145	37	181	75	3,356
PADD III	491	209	217	249	134	1,077	149	11,307
PADD IV	35	51	0	13	2	19	7	119
PADD V	144	125	4	21	27	1,101	116	8,820
988-1989	**13**	**22**	**7**	**0**	**1**	**76**	**0**	**418**
Net Change)								
PADD I	0	0	0	0	0	1	0	0
PADD II	1	20	0	0	0	0	0	0
PADD III	6	2	7	0	1	0	0	50
PADD IV	1	0	0	0	0	0	0	0
PADD V	5	0	0	0	0	75	0	368

NA = Not Available. MMcfd = Million cubic feet per day.
Note: Totals may not equal sum of components due to independent rounding
Source: Form EIA-820, "Annual Refinery Report."

Table 35. Working Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1988
(Thousand Barrels)

District and State	Crude Oil	Products						As and
		Motor Gasoline			Gasoline Blending Components	Middle Distillates	Residual Fuel Oil	
		Finished Leaded	Finished Unleaded	Total				
PAD District I	**23,664**	**3,320**	**13,069**	**16,389**	**10,444**	**20,660**	**12,551**	
New Jersey	7,837	1,555	5,986	7,541	5,601	11,091	6,361	
Pennsylvania	10,284	917	3,188	4,105	2,669	3,948	2,392	
Other States [3]	5,543	848	3,895	4,743	2,174	5,621	3,798	
PAD District II	**23,699**	**10,206**	**15,856**	**26,062**	**15,787**	**24,692**	**6,274**	
Illinois	6,431	2,374	3,903	6,277	4,563	6,515	1,592	
Indiana	2,530	811	1,974	2,785	2,639	3,168	1,479	
Kansas	2,902	2,153	2,673	4,826	1,424	3,312	541	
Kentucky	1,164	251	523	774	376	587	383	
Ohio	2,307	547	1,620	2,167	2,224	1,735	325	
Oklahoma	3,838	2,123	2,336	4,459	2,558	3,814	433	
Other States [3]	4,527	1,947	2,827	4,774	2,003	5,561	1,521	
PAD District III	**83,037**	**10,799**	**24,600**	**35,399**	**31,972**	**38,704**	**20,896**	
Alabama	2,218	267	365	632	702	753	809	
Arkansas	1,487	104	149	253	138	652	86	
Louisiana	23,413	2,132	6,291	8,423	9,422	13,916	7,272	
Mississippi	3,925	617	1,788	2,405	1,670	2,259	613	
New Mexico	867	201	183	384	721	488	350	
Texas	51,127	7,478	15,824	23,302	19,319	20,636	11,766	
PAD District IV	**4,334**	**2,595**	**1,932**	**4,527**	**4,353**	**4,378**	**1,189**	
Colorado	731	324	366	690	557	583	217	
Montana	1,248	700	494	1,194	1,481	1,221	217	
Utah	1,330	511	414	925	1,021	1,055	259	
Wyoming	1,025	1,060	658	1,718	1,294	1,519	496	
PAD District V	**41,670**	**4,331**	**10,240**	**14,571**	**16,606**	**11,521**	**15,377**	
Alaska	1,037	81	237	318	277	806	1,124	
California	29,497	3,008	8,467	11,475	13,559	8,016	11,566	
Washington	7,330	1,192	1,381	2,573	2,122	2,143	1,318	
Other States [3]	3,806	50	155	205	648	556	1,369	
U.S. Total	**176,404**	**31,251**	**65,697**	**96,948**	**79,162**	**99,955**	**56,287**	

See footnotes at end of table.

5. **Working Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1988 (Continued)**
(Thousand Barrels)

District and State	Products							Total Crude Oil and Products
				Jet Fuel				
	Lubricants	Propane	Butane	Naphtha-type	Kerosene-type	All Other Products [2]	Total Products	
strict I	**2,947**	**2,019**	**1,492**	**662**	**4,895**	**16,597**	**93,392**	**117,056**
Jersey	651	272	406	30	3,113	6,566	43,323	51,160
nsylvania	2,039	1,033	976	209	1,334	5,594	25,401	35,685
er States [3]	257	714	110	423	448	4,437	24,668	30,211
strict II	**2,698**	**5,786**	**3,365**	**1,287**	**5,457**	**31,125**	**134,148**	**157,847**
is	963	787	830	44	1,736	10,602	35,841	42,272
ana	570	346	757	378	1,017	2,250	17,457	19,987
sas	12	2,669	390	0	271	4,739	19,049	21,951
ucky	171	504	22	168	248	1,746	5,696	6,860
	200	455	439	90	539	2,291	11,309	13,616
homa	782	271	392	545	1,042	6,657	22,433	26,271
er States [3]	0	754	535	62	604	2,840	22,363	26,890
strict III	**9,773**	**6,445**	**11,108**	**3,087**	**11,477**	**103,272**	**278,674**	**361,711**
ama	0	3	18	134	275	49	3,896	6,114
nsas	126	2	6	19	25	3	1,989	3,476
siana	3,189	1,308	5,955	791	4,216	20,400	76,299	99,712
issippi	94	54	125	171	804	524	9,681	13,606
Mexico	0	8	25	313	117	911	3,790	4,657
s	6,364	5,070	4,979	1,659	6,040	81,385	183,019	234,146
strict IV	**257**	**185**	**371**	**659**	**745**	**3,610**	**24,996**	**29,330**
rado	0	7	16	224	187	459	3,516	4,247
tana	0	20	188	107	279	1,322	7,716	8,964
	0	143	42	214	178	781	5,027	6,357
ming	257	15	125	114	101	1,048	8,737	9,762
strict V	**1,861**	**511**	**1,643**	**1,578**	**5,959**	**34,849**	**108,225**	**149,895**
ka	0	5	19	152	459	245	3,471	4,508
ornia	1,861	337	1,336	1,071	3,782	30,837	86,614	116,111
hington	0	150	214	137	1,220	3,184	13,400	20,730
r States [3]	0	19	74	218	498	583	4,740	8,546
al	**17,536**	**14,946**	**17,979**	**7,273**	**28,533**	**189,453**	**639,435**	**[4] 815,839**

rking Storage Capacity - the difference in volume between the maximum safe fill capacity and tank bottoms.
Other Products includes ethane, isobutane, pentanes plus, other hydrocarbons, hydrogen, alcohol, unfinished oils, finished aviation gasoline, naphthas, wax, petroleum coke, still gas, petrochemical feedstocks and miscellaneous products.
ner States include PAD District I: Connecticut, Delaware, Florida, Georgia, Maryland, New York, North Carolina, Virginia, West Virginia
PAD District II: Michigan, Minnesota, Missouri, North Dakota, Tennessee, Wisconsin
PAD District V: Hawaii, Nevada, Oregon.
ludes 27,633 thousand barrels storage capacity at shutdown refineries and 32,821 thousand barrels storage capacity at gasoline blending

ce: Form EIA-820, "Annual Refinery Report."

Table 36. Shell Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1988
(Thousand Barrels)

District and State	Crude Oil	Products						
		Motor Gasoline			Gasoline Blending Components	Middle Distillates	Residual Fuel Oil	As and
		Finished Leaded	Finished Unleaded	Total				
PAD District I	**27,665**	**3,696**	**14,511**	**18,207**	**12,255**	**22,491**	**13,452**	**5**
New Jersey	9,471	1,744	6,724	8,468	6,846	12,087	6,818	1
Pennsylvania	11,676	1,016	3,619	4,635	2,999	4,362	2,665	1
Other States [3]	6,518	936	4,168	5,104	2,410	6,042	3,969	2
PAD District II	**26,987**	**11,454**	**18,095**	**29,549**	**18,002**	**26,786**	**6,893**	**12**
Illinois	7,625	2,911	4,669	7,580	5,358	7,139	1,784	2
Indiana	2,940	908	2,303	3,211	3,140	3,561	1,600	2
Kansas	3,164	2,258	2,972	5,230	1,632	3,516	595	
Kentucky	1,222	263	549	812	398	617	405	
Ohio	2,637	639	1,872	2,511	2,573	1,923	422	
Oklahoma	4,384	2,357	2,554	4,911	2,688	4,131	469	1
Other States [3]	5,015	2,118	3,176	5,294	2,213	5,899	1,618	3
PAD District III	**107,322**	**12,477**	**28,306**	**40,783**	**36,972**	**43,841**	**23,657**	**7**
Alabama	2,549	304	408	712	762	871	945	
Arkansas	1,646	116	166	282	148	704	97	
Louisiana	28,108	2,526	7,519	10,045	11,614	16,374	8,176	1
Mississippi	4,394	689	1,968	2,657	1,775	2,428	665	1
New Mexico	973	238	230	468	790	580	419	
Texas	69,652	8,604	18,015	26,619	21,883	22,884	13,355	2
PAD District IV	**4,880**	**2,893**	**2,168**	**5,061**	**4,828**	**4,670**	**1,279**	**5**
Colorado	883	353	401	754	609	612	237	
Montana	1,444	788	561	1,349	1,650	1,300	235	1
Utah	1,462	590	485	1,075	1,151	1,126	283	
Wyoming	1,091	1,162	721	1,883	1,418	1,632	524	2
PAD District V	**48,201**	**5,030**	**11,831**	**16,861**	**19,016**	**12,934**	**16,979**	**4**
Alaska	1,103	86	251	337	291	847	1,173	
California	34,643	3,585	9,857	13,442	15,617	9,152	12,932	2
Washington	8,318	1,304	1,555	2,859	2,417	2,342	1,436	
Other States [3]	4,137	55	168	223	691	593	1,438	
U.S. Total	**215,055**	**35,550**	**74,911**	**110,461**	**91,073**	**110,722**	**62,260**	**34**

See footnotes at end of table.

36. Shell Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1988 (Continued)
(Thousand Barrels)

District and State	Products							Total Crude Oil and Products
				Jet Fuel		All Other Products [2]	Total Products	
	Lubricants	Propane	Butane	Naphtha-type	Kerosene-type			
strict I	**3,045**	**2,321**	**1,677**	**720**	**5,232**	**19,352**	**104,029**	**131,694**
v Jersey	686	316	491	37	3,307	7,720	48,730	58,201
nsylvania	2,073	1,186	1,062	236	1,460	6,217	28,160	39,836
er States [3]	286	819	124	447	465	5,415	27,139	33,657
strict II	**2,907**	**6,126**	**3,696**	**1,434**	**6,046**	**34,323**	**148,427**	**175,414**
ois	996	841	880	50	1,924	11,802	40,414	48,039
ana	630	357	786	437	1,156	2,566	19,826	22,766
sas	12	2,673	501	0	286	5,141	20,541	23,705
tucky	180	529	23	176	260	1,754	5,907	7,129
o	220	498	473	97	591	2,672	12,886	15,523
ahoma	869	306	421	601	1,170	7,389	24,612	28,996
er States [3]	0	922	612	73	659	2,999	24,241	29,256
strict III	**10,957**	**7,762**	**12,067**	**3,586**	**13,298**	**118,358**	**318,747**	**426,069**
bama	0	4	21	161	325	51	4,514	7,063
ansas	138	2	7	20	30	3	2,182	3,828
isiana	3,638	1,328	6,179	903	4,876	24,233	89,072	117,180
sissippi	111	57	127	196	905	573	10,612	15,006
v Mexico	0	8	26	355	131	1,054	4,314	5,287
as	7,070	6,363	5,707	1,951	7,031	92,444	208,053	277,705
strict IV	**285**	**204**	**399**	**735**	**855**	**3,942**	**27,268**	**32,148**
orado	0	8	17	237	237	488	3,792	4,675
tana	0	22	201	126	306	1,403	8,402	9,846
n	0	159	52	250	204	862	5,604	7,066
oming	285	15	129	122	108	1,189	9,470	10,561
strict V	**2,012**	**561**	**1,811**	**1,749**	**6,741**	**39,915**	**122,586**	**170,787**
ska	0	5	20	161	489	256	3,648	4,751
fornia	2,012	354	1,474	1,221	4,377	35,219	98,788	133,431
shington	0	178	230	141	1,352	3,813	15,119	23,437
er States [3]	0	24	87	226	523	627	5,031	9,168
tal	**19,206**	**16,974**	**19,650**	**8,224**	**32,172**	**215,890**	**721,057**	**[4] 936,112**

ell Storage Capacity - the design capacity of the tank.
Other Products includes ethane, isobutane, pentanes plus, other hydrocarbons, hydrogen, alcohol, unfinished oils, finished aviation gasoline, naphthas, wax, petroleum coke, still gas, petrochemical feedstocks and miscellaneous products.
her States Include PAD District I: Connecticut, Delaware, Florida, Georgia, Maryland, New York, North Carolina, Virginia, West Virginia
PAD District II: Michigan, Minnesota, Missouri, North Dakota, Tennessee, Wisconsin
PAD District V: Hawaii, Nevada, Oregon.
cludes 30,536 thousand barrels storage capacity at shutdown refineries and 34,492 thousand barrels storage capacity at gasoline blending

rce: Form EIA-820, "Annual Refinery Report."

Table 37. Refinery Receipts of Crude Oil by Method of Transportation by PAD District, 1987
(Thousand Barrels)

Method	PAD Districts					Unite State
	I	II	III	IV	V	
Pipeline						
Domestic	6,412	730,682	1,009,447	119,729	353,098	2,219,
Foreign	19,364	296,146	192,023	24,066	4,101	535,
Tanker						
Domestic	23,878	0	122,030	0	463,015	608,
Foreign	378,873	0	706,051	0	67,608	1,152,
Barge						
Domestic	1,215	3,180	128,840	0	6,929	140,
Foreign	16,400	285	7,148	0	1,026	24,
Tank Cars						
Domestic	6,542	0	0	3	14,202	20,
Foreign	0	0	0	0	0	
Trucks						
Domestic	4,589	8,579	30,215	15,789	9,037	68,
Foreign	0	0	0	0	0	
Total						
Domestic	42,636	742,441	1,290,532	135,521	846,281	3,057,
Foreign	414,637	296,431	905,222	24,066	72,735	1,713,

Source: Form EIA-820, "Annual Refinery Report."

Table 38. Fuels Consumed at Refineries by PAD District, 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					Unite State
	I	II	III	IV	V	
Crude Oil	0	0	0	0	0	
Distillate Fuel Oil	129	126	97	0	614	9
Residual Fuel Oil	4,192	4,183	1,152	872	2,361	12,7
Liquefied Petroleum Gases	264	2,328	661	501	4,267	8,0
Natural Gas (million cubic feet)	22,572	66,155	419,198	11,001	85,947	604,8
Still Gas	20,143	46,569	103,265	6,130	47,206	223,3
Marketable Petroleum Coke	0	0	27	163	917	1,1
Catalyst Petroleum Coke	10,805	16,345	33,590	2,165	12,031	74,9
Coal (thousand short tons)	186	40	0	0	0	2
Purchased Electricity (million kWh)	3,319	7,607	13,038	1,111	13,447	38,5
Purchased Steam (million pounds)	4,074	1,236	16,789	4	3,722	25,8
Hydrogen (million cubic feet)	0	0	28	0	0	
Unfinished Oils	128	412	7	0	849	1,3
Other [1]	101	188	484	0	0	7

[1] Other includes special naphthas, asphalt and road oil, finished motor gasoline, wax, gasoline blending components, lubricants and kerosen
Source: Form EIA-820, "Annual Refinery Report."

le 39. Reactivated and Shutdown Refineries During 1987

AD District/Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity B/CD	Total Downstream Charge Capacity B/SD	Date of Last Operation	Date Operable	Date Shutdown
			REACTIVATED			
District III		**337,750**	**537,900**			
onna Refinery Partners, Ltd.	Donna, TX.	4,750	0	7/82	9/87	--
AMXX Energy Inc.	Theodore, AL.	27,000	10,000	3/83	6/87	--
etro Source Resources, Inc.	Vicksburg, MS.	6,000	7,900	1/85	4/87	--
rans America Refining Co.	Good Hope, LA.	300,000	520,000	12/82	11/87	--
l Reactivated		**337,750**	**537,900**	--	--	--
			SHUTDOWN			
District I		**1,000**	**0**			
rginia Oil & Refining Co., Inc.	Jonesville, VA.	1,000	0	8/87	--	12/87
District II		**10,200**	**5,450**	--	--	--
ying J. Petroleum, Inc.	Williston, ND.	4,600	5,450	8/84	--	12/87
akeside Refining Co.	Kalamazoo, MI.	5,600	0	9/85	--	12/87
District III		**5,800**	**29,700**	--	--	--
lark Oil & Refining Corp.	Mt. Airy, LA.	0	27,000	12/86	--	12/87
acMillan Petroleum Co.	Norphlet, AR.	5,800	2,700	8/87	--	12/87
District IV		**3,000**	**0**			
Ilver Eagle Oil Co.	La Barge, WY.	3,000	0	10/82	--	12/87
District V		**46,500**	**11,380**	--	--	--
eacon Oil Co.	Hanford, CA.	17,300	11,380	11/87	--	12/87
abre Refining Inc.	Bakersfield, CA.	10,000	0	12/86	--	9/87
Vestern Oil & Refining	Long Beach, CA.	19,200	0	2/84	--	12/87
l Shutdown		**66,500**	**46,530**	--	--	--

/CD = Barrels per calendar day.
/SD = Barrels per stream day.
ource: Form EIA-820, "Annual Refinery Report."

Table 40. Refinery Sales During 1987

Former Owner	Total Atmospheric Crude Oil Distillation Capacity B/CD	New Owner	Date of Sale
Asamera Oil (US) Inc. Colorado Refining Co. Commerce City, Colorado	33,500	Total Petroleum North America, Ltd.	6/87
Champlin Petroleum Co. Corpus Christi, Texas	155,200	Union Pacific Corp. (50%) Petroleos De Venezuela (50%)	4/87
Chevron Caribbean Gulf Refining Corp. San Juan, Puerto Rico	36,000	First Oil International Ltd.	8/87
Listo Petroleum Co. Donna, Texas	4,750	Donna Refinery Partners, Ltd.	5/87
Louisiana Oil & Refining Company of Egan Egan, Louisiana	5,000	OGC Corporation	10/87
Marion Corp. Theodore, Alabama	27,000	GAMXX Energy Inc.	4/87
Paramount Petroleum Corp. Bakersfield, California	20,500	Texaco Refining & Marketing	8/87
Quaker State Oil Refining Corp. St. Mary's, West Virginia	4,658	Mid-Atlantic Fuels	12/87
Vicksburg Refining Inc. Vicksburg, Mississippi	6,000	Petro Source Resources Inc.	3/87

B/CD = Barrels per calendar day.
Source: Form EIA-820, "Annual Refinery Report."

Appendices



Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

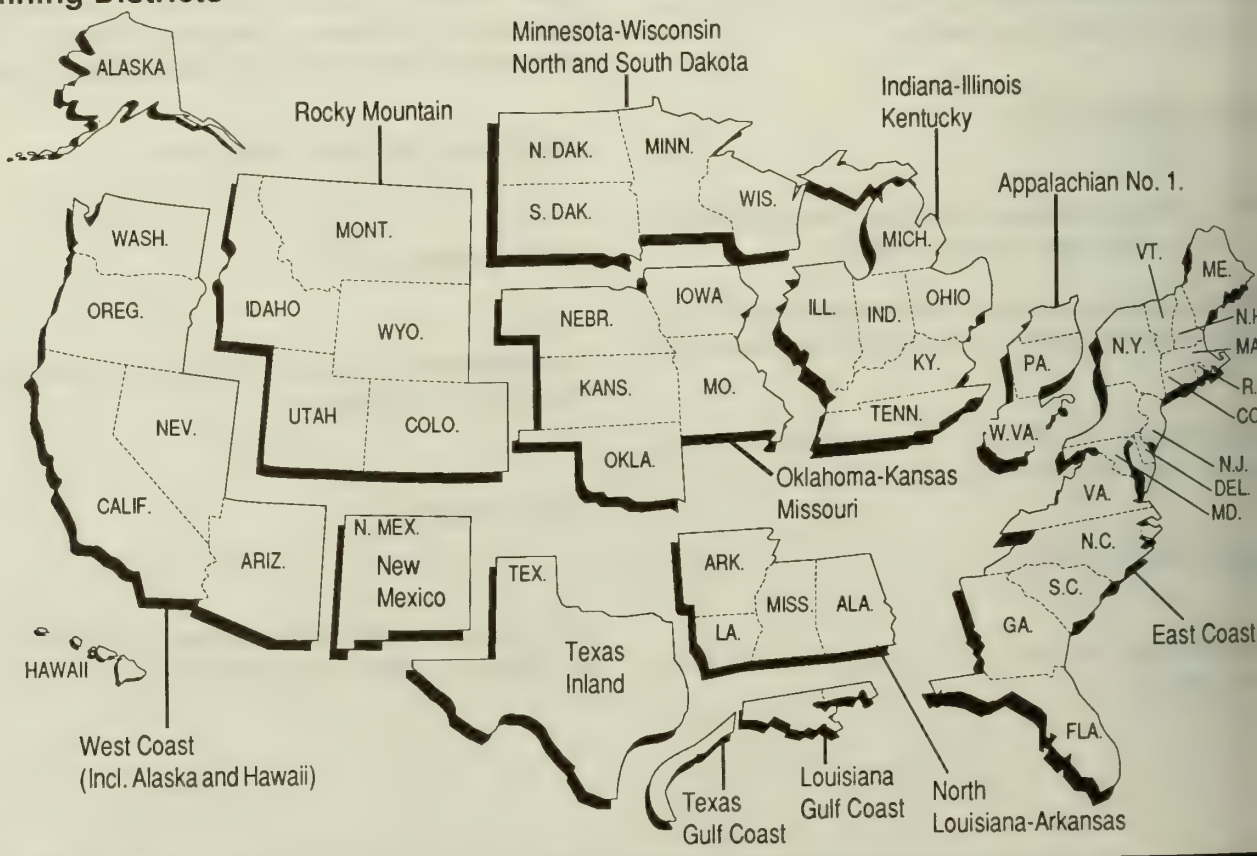
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B

Explanatory Notes

Note 1: Data Collection Methodology

Background

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are:

Form Number	*Name*
EIA-800	Weekly Refinery Report
EIA-801	Weekly Bulk Terminal Report
EIA-802	Weekly Product Pipeline Report
EIA-803	Weekly Crude Oil Stocks Report
EIA-804	Weekly Imports Report
EIA-810	Monthly Refinery Report
EIA-811	Monthly Bulk Terminal Report
EIA-812	Monthly Product Pipeline Report
EIA-813	Monthly Crude Oil Report
EIA-814	Monthly Imports Report
EIA-816	Monthly Natural Gas Liquids Report
EIA-817	Monthly Tanker and Barge Movement Report
EIA-820	Annual Refinery Report

Forms EIA-810 through 814, 816, and 817 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery and natural gas plant operations data; refinery, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *Petroleum Supply Annual* (PSA). A description of MPSRS survey forms follows in Explanatory Note 1.1.

Data are also obtained on magnetic tape from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSA. A description of the Census data follows in Explanatory Note 1.2.

Note 1.1: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, and Guam. Approximately 260 respondents report on the EIA-810.

EIA-811: Every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. Approximately 320 respondents report on the EIA-811.

EIA-812: All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 90 respondents report on the EIA-812.

EIA-813: All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 180 respondents report on the EIA-813.

EIA-814: All companies, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. Approximately 500 respondents report on the EIA- 814.

EIA-816: All facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 1,000 respondents report on the EIA-816.

EIA-817: All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company owned tanker or barge. Also, companies which lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 50 respondents report on the EIA-817.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Every three years an extensive survey is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, Federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month, with the exception of the EIA-814 which is due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed for companies that do not respond to EIA Forms 810-813 and 816. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. Data for nonrespondents on the EIA-814 and 817 are not imputed.

Response Rate

The response rate is generally 99 to 100 percent by the time the data are first published. Nonrespondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the FEA Act.

Note 1.2: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the Energy Information Administration (EIA) purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data tapes are the only source of export statistics and are used to augment the import data collected by the EIA.

Import Statistics (IM-145)

Coverage

Census import statistics used in the *Petroleum Supply Annual* (PSA) reflect both government and nongovernment imports of merchandise from foreign countries and U.S. possessions into the United States (the 50 States and the District of Columbia) without regard to whether or not a commercial transaction is involved. The following types of transactions are excluded from the statistics:

1. Merchandise in transit through the United States, when documented with Customs as an in transit movement.

2. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Census export statistics used in the PSA reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

1. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

2. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census. Exporters are required to file export documents with Customs officials (Customs Form 7525).

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year. For survey descriptions and other details, see Explanatory Note 1.1.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year.

Imports of crude oil and petroleum products are reported monthly on Form EIA-814, *Monthly Imports Report*. In addition, imports of natural gas liquids (NGLs) are obtained from the Census Bureau Tabulation IM-145. The Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. Additional data taken from the IM-145 are relatively small quantities of naphtha-type and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for

domestic consumption and therefore are not included in the Form EIA-814 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the year from stocks at the beginning of the same year. (Note: The beginning stocks of one year are equal to the ending stocks of the previous year.) A positive result (+) would represent a withdrawal from stocks. A negative result (-) would represent a buildup of stocks. For a description of survey forms used to make stock withdrawal or addition calculations, see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production, imports, and stock withdrawals. Crude oil disposition is the sum of exports, refinery input, losses, stock additions, and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supply from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by State conservation agencies. Data on the volume of oil produced on Federally-owned offshore leases are reported by the Minerals Management Service, U.S. Department of the Interior.

EIA receives oil production data on a continuing basis from the reporting agencies. These data are updated periodically, and updates are provided to the EIA as they become available. The frequency with which these updates are reported depends on the revision policy of the various states. For example, in Texas (where revisions are made systematically) the preliminary oil production data report for the current month includes revisions to oil production data for the previous month. In Kansas (where revisions are made at irregular intervals) the revisions can include all months from the beginning of the year. Annual oil production data received for the *Petroleum Supply Annual* (PSA) from Alabama, Alaska, Arkansas, Florida, Nebraska, Texas, and Utah do not equal the sum of earlier preliminary monthly production volumes. Revised monthly production volumes consistent with the annual totals were not available for these states. The latest preliminary monthly oil production data for these states have been adjusted to agree with reported annual totals.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries reported for all refineries on Form EIA-810, *Monthly Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico and theVirgin Islands, which are obtained from refinery receipts reported on Form EIA-810, *Monthly Refinery Report*, by refineries located in these places.

Product Supplied for each product is calculated by summing field production, plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a Petroleum Administration for Defense (PAD) District basis), minus refinery input, minus exports. This formula ensures that total disposition equals total supply.

Product supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production net having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are

reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers. For survey descriptions and other details, see Explanatory Note 1.1.

Note 6: Movements

Movements of crude oil between Petroleum Administration for Defense (PAD) Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other details, see Explanatory Note 1.1.

Note 7: Notes on Tables

Note 7.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 3. Total Production and Crude Oil Production appear under Field Production in Table 3.
- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 3.
- Petroleum Products Imports is the sum of Natural Gas Liquids and Liquefied Refinery Gases (LRGs), Other Liquids, and Finished Petroleum Products Imports in Table 3.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 7.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the "Detailed Statistics," except where noted.

- Total Domestic Field Production, Alaskan Field Production, Strategic Petroleum Reserve (SPR) Imports, Other Imports (synonymous with Gross Imports Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted for Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.
- Crude Losses and Product Supplied appear as labeled in Table 3.
- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.
- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.
- Total Imports appear in Table 3.

Note 7.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, ethylene, propane, propylene, butane, butylene, and isobutane. The statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases. The statistics on the referenced line are aggregated from Table 3 of the "Detailed Statistics," except where noted.

- Total production is the aggregated sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 3.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, and *Total U.S.* appear as labeled in Table 9. *Lower 48 States* are calculated by subtracting Alaska crude oil production from Total U.S. crude oil production.
- Line (5): *SPR Imports* are reported on survey Form EIA-814.
- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude oil losses minus crude oil product supplied in Table 2.
- Line (14): Natural Gas Plant Liquids (NGPL) *Field Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.
- Line (15): NGPL *Net Imports* equals the sum of the imports of pentanes plus minus the exports of pentanes plus in Table 2.
- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the stock withdrawal (+) or addition (-) of pentanes plus in Table 2.
- Line (17): *Total NGPL Supply* equals the sum of lines (14), (15), and (16).
- Line (18): Other Liquids *Stock Withdrawal (+) or Addition (-)* equals the aggregate stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, unfinished oils, motor gasoline blending components, and aviation gasoline blending components in Table 2.
- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.
- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.
- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).
- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus field production of other liquids; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.
- Line (25): *Gross Imports* of Refined Products equals imports of liquefied petroleum gases (LPG) plus imports of finished petroleum products in Table 2.
- Line (26): *Exports* of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports* of Refined Products equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus total field production of other liquids; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stock Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (34): Equals the respective products supplied in Table 2.

- Line (35): *Other Products Supplied* equals the sum of pentanes plus, aviation gasoline, naphtha-type jet fuel, kerosene-type jet fuel, naphtha <400 Deg. F. for petrochemical feedstock use, other oils >400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components, and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39): Stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve* equals ending stocks of crude oil in Table 2.

- Line (43): Stocks of *Finished Refined Products* equals the sum of liquefied petroleum gases and finished petroleum products stocks in Table 2.

Note 8: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,425; and 1982 - 1,462.

- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.

- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.

- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.

- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.

- Stock withdrawal calculations beginning in 1975, 1981, and 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the "Summary Statistics," is now reported on a component basis (ethane, propane, normal butane, isobutane, and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the "Summary Statistics." This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108.

- Other Petroleum Products: 1983 - 248.

Note 9: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 10: 1981 Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures, and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration (EIA) in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting system.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings through 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. The difference increased to about 3 percent in 1979 and 1980. There were two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). Table B1 provides 1979 and 1980 data as published in the *Petroleum Statement, Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied.

EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years.

Table B1. Finished Motor Gasoline Product Supplied
(Thousand Barrels per Day)

	EIA Reported	API Recast	EIA Recast	FHWA[1]
1979	7,034	7,302	7,183-7,347	7,258
1980	6,579	6,882	6,806-6,889	6,792

[1]FHWA gasoline statistics based on data from Federal Highway Administration, Estimate of Total Gasoline Use, Table MF-21A published October 1980 and September 1981. Aviation gasoline (Table MF-24) has been subtracted from FHWA product supplied quantities to make data comparable.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oils produced by a refinery are shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was subtracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981, this adjustment was discontinued because there was not sufficient empirical evidence to support it. Table B2 presents distillate and residual fuel oil refinery production in 1979 and 1980 as published (adjusted) and on the same basis as 1981 statistics (unadjusted) to permit comparison.

Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Table B2. Distillate and Residual Fuel Oil Production and Product Supplied
(Thousand Barrels per Day)

	Adjusted Refinery Production	Unadjusted Refinery Production	Difference	Unadjusted Product Supplied
Distillate Fuel Oil				
1979	3,152	3,169	16	3,327
1980	2,661	2,764	103	2,969
Residual Fuel Oil				
1979	1,687	1,695	8	2,834
1980	1,580	1,634	54	2,562

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids section, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 11: Natural Gas Liquids Reporting Changes

Beginning in January 1984, a number of changes in the reporting of natural gas liquids (NGL) were implemented. The modified system reflects supply and disposition of NGL on a component, rather than product, basis.

From 1979 to 1983, the EIA collected and reported information on the supply and disposition of nine NGL products. Beginning with January 1984, NGL supply and disposition data were reported on a five component basis (see table below) to be consistent with record-keeping practices used by the industry. Table B3 shows the product categories under the new and old basis.

Four PSRS surveys were modified beginning in January 1984. They were:

EIA-810 *Monthly Refinery Report*
EIA-811 *Monthly Bulk Terminal Report*
EIA-812 *Monthly Product Pipeline Report*
EIA-816 *Monthly Natural Gas Liquids Report*

A fifth survey, the Form EIA-814, *Monthly Imports Report* (formerly Form ERA-60), was not modified. Adjustments

Table B3. Product Basis vs. Component Basis Reporting

1979-1983 Product Basis	1984 Component Basis				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Ethane	•				
Ethane-Propane Mixtures	•	•			
Propane		•			
Butane-Propane Mixtures		•	•		
Butane			•		
Isobutane				•	
Unfractionated Stream	•	•	•	•	•
Natural Gasoline and Isopentane					•
Plant Condensate					•

are applied to NGL imports data to make them consistent with the revised reporting system (See Explanatory Note 12).

Note 12: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquids (NGL) supply data, moving from a nine-product slate basis to a five-component slate basis that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analysis of the products they imported during the first six months of 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the importers.

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analysis of the products they exported during 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the exporters.

It was necessary to derive percentages by Petroleum Administration for Defense (PAD) Districts of exportation, due to the wide variation of components included in the mixed streams.

Note 13: Statistical Notes

The universe of each of the Petroleum Supply surveys (refinery, bulk terminal, pipeline, crude oil stock, import, etc.,) is relatively small and ever-changing due to company births, deaths, mergers and splits. The frequency distributions of the petroleum supply variables are non-normal, highly variable, positive skewed and leptokurtic; that is, there are many small units and few large ones. Zeros often dominate the responses; that is, not all of the sampling units produce and/or store all products.

The statistics described in Table B5 were calculated from the monthly surveys over a 12-month period.

1. The number of active sampling units (respondents).

Table B4. Algorithm for Allocating NGL Imports/Exports

(Percent)

	EIA Component Slate				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Import Product					
Natural Gasoline and Isopentane (EIA-814)	--	--	--	--	100
Plant Condensate (EIA-814)	--	--	--	--	100
Ethane (IM-145)	100	--	--	--	--
Propane (IM-145)	--	100	--	--	--
Butane (IM-145)	--	--	60	40	--
Butane-Propane Mixtures (IM-145)	--	40	35	20	5
Ethane-Propane Mixtures (IM-145)	80	20	--	--	--
Export Product					
Ethane (All PAD Districts)	100	--	--	--	--
Propane(All PAD Districts)	--	100	--	--	--
Butane (All PAD Districts)	--	--	100	--	--
Mixed Streams					
PAD Districts I, IV, V	--	40	60	--	--
PAD District II	30	25	15	15	15
PAD District III	--	80	20	--	--

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Gross Input to Atmospheric Crude Oil Distillation Units												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	183	185	186	187	188	189	190	188	187	187	186	188
Average	2,156	1,879	2,040	2,027	2,119	2,112	2,221	2,231	2,138	2,138	2,109	2,207
Standard Deviation	2,460	2,128	2,382	2,221	2,364	2,418	2,543	2,510	2,408	2,473	2,448	2,538
Refinery Crude Oil Input												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	182	183	184	186	186	188	190	187	186	186	184	186
Average	2,141	1,880	2,035	2,018	2,109	2,107	2,191	2,218	2,124	2,122	2,116	2,202
Standard Deviation	2,441	2,107	2,364	2,197	2,328	2,409	2,504	2,486	2,382	2,436	2,419	2,515
Refinery Finished Leaded Motor Gasoline Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	158	160	162	159	164	167	162	161	161	161	156	152
Average	350	291	312	324	345	321	337	317	312	299	300	307
Standard Deviation	328	277	304	328	325	301	295	290	283	286	266	279
Refinery Finished Unleaded Motor Gasoline Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	166	166	161	165	166	166	165	167	166	163	163	163
Average	928	799	956	940	973	971	1,005	991	956	982	990	1,053
Standard Deviation	1,046	888	1,108	1,123	1,143	1,124	1,141	1,125	1,123	1,164	1,144	1,186
Refinery Distillate Fuel Oil Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	182	180	181	183	184	183	185	183	184	180	181	182
Average	481	413	423	431	439	452	463	470	458	493	516	562
Standard Deviation	585	490	485	483	476	495	511	518	506	542	572	642

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables (Continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Residual Fuel Oil Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	143	142	145	142	141	141	146	148	144	145	143	145
Average	208	173	195	188	192	193	201	195	200	203	214	228
Standard Deviation	292	268	317	310	272	257	280	287	287	291	308	331
Refinery Finished Leaded Motor Gasoline Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	168	169	168	167	169	168	168	167	167	167	164	158
Average	100	107	100	90	89	84	81	79	81	75	79	87
Standard Deviation	101	122	104	91	88	86	79	77	79	82	81	84
Bulk Terminal Finished Leaded Motor Gasoline Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	144	141	142	141	137	139	136	138	139	137	139	137
Average	256	242	227	211	206	204	200	202	199	190	198	196
Standard Deviation	530	500	469	453	427	435	409	418	406	386	412	402
Pipeline Finished Leaded Motor Gasoline Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	50	51	50	51	49	50	47	48	53	47	49	52
Average	342	322	320	286	293	263	294	267	260	277	265	242
Standard Deviation	541	498	516	420	432	395	442	387	392	410	429	379
Refinery Finished Unleaded Motor Gasoline Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	174	176	175	176	176	175	175	174	175	174	175	170
Average	216	213	224	224	203	208	210	196	203	195	206	219
Standard Deviation	307	278	337	335	259	290	294	235	294	298	244	275
Bulk Terminal Finished Unleaded Motor Gasoline Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	147	145	145	144	143	147	146	145	147	146	147	143
Average	432	417	424	422	424	410	399	418	420	401	408	414
Standard Deviation	974	920	962	930	964	957	935	974	989	968	970	941
Pipeline Finished Unleaded Motor Gasoline Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	52	55	53	54	54	54	53	54	53	53	52	54
Average	746	724	739	767	776	745	741	729	734	713	741	727
Standard Deviation	1,569	1,538	1,666	1,847	1,873	1,758	1,656	1,571	1,683	1,622	1,754	1,657
Refinery Distillate Fuel Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	202	202	203	202	200	201	203	202	203	203	203	200
Average	193	183	154	155	157	169	180	189	190	173	186	204
Standard Deviation	277	249	184	187	186	219	246	257	256	231	249	274
Bulk Terminal Distillate Fuel Oil Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	231	231	228	226	223	223	222	225	225	226	223	224
Average	322	274	238	207	216	220	248	275	282	271	288	293
Standard Deviation	873	724	616	520	562	570	622	743	753	756	829	844
Pipeline Distillate Fuel Oil Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	52	55	53	52	54	55	54	56	54	56	55	55
Average	540	426	450	427	402	386	427	440	457	440	473	509
Standard Deviation	1,304	992	1,073	951	914	918	1,098	987	1,044	1,203	1,179	1,255
Refinery Residual Fuel Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	172	171	172	171	169	168	169	166	166	167	166	163
Average	104	96	101	91	106	103	114	118	113	111	126	113
Standard Deviation	154	142	170	142	154	152	173	179	168	163	192	168
Bulk Terminal Residual Fuel Oil Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	71	73	72	71	71	71	70	71	70	69	67	65
Average	378	297	305	284	314	336	362	363	363	389	430	443
Standard Deviation	905	662	654	669	822	843	907	878	957	954	927	988
Refinery Crude Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	188	188	188	187	185	186	186	186	186	185	186	185
Average	506	501	539	551	545	547	556	567	569	570	566	518
Standard Deviation	632	642	670	680	689	700	721	748	700	677	725	627
Pipeline/Tank Farm Crude Oil Stocks												
Respondents	156	157	157	156	156	158	158	158	158	158	157	157
Nonzero Respondents	120	121	120	120	121	123	122	123	123	122	121	121
Average	1,621	1,595	1,568	1,516	1,474	1,465	1,457	1,510	1,540	1,663	1,717	1,691
Standard Deviation	3,326	3,260	3,096	2,902	2,853	2,951	2,930	3,062	3,030	3,242	3,385	3,402

2. The number of sampling units reporting nonzero values (nonzero respondents).

3. The average of nonzero values reported in thousand barrels (average).

4. The standard deviation of nonzero values reported in thousand barrels (standard deviation).

Note 14: Addition of Crude Oil Pipeline Movements Data

Beginning in January 1985, inter-Petroleum Administration for Defense (PAD) District pipeline movements of crude oil were included in the crude oil supply balance at the PAD District level but did not affect National level statistics. As a result of including these movements, *Net Receipts* of crude oil and *Unaccounted for Crude Oil* at the PAD District level changed significantly. Also affected were crude oil imports and unfinished oil imports at the PAD District level which are provided by *PAD District of entry* (Tables 4-8) and by *PAD District of processing* (Table 14).

The tables in the *Petroleum Supply Annual* (PSA) that were changed due to the inclusion of inter-PAD District pipeline movements of crude oil are listed below.

- Tables 4-8, "PAD Districts I to V, Supply and Disposition of Crude Oil and Petroleum Products." *Net Receipts* includes movements by pipeline as well as tanker and barge.

- Table 20, "Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes movements by pipeline as well as by tanker and barge.

- Table 21, "Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts." A line was added to report crude oil movements.

- Table 23, "Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes net movements by pipeline as well as by tanker and barge.

Note 15: 1986 Changes in Petroleum Industry Reporting

Beginning in January 1986, several changes to the Petroleum Supply Reporting System (PSRS) went into effect. These changes affected the frame of operators of petroleum facilities required to complete the monthly surveys in the PSRS and resulted in some changes to the tables presented in the *Petroleum Supply Annual* (PSA).

Changes in Survey Frames

As a result of frames maintenance activities, 39 respondents were added to the monthly survey frames. Table B6 shows the impact of the data reported by the new respondents on published data for production and stocks of major petroleum products.

Also, beginning in January 1986, a major integrated petroleum company consolidated production and stocks reporting for some of its facilities. Data previously reported separately on Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-816, *Monthly Natural Gas Liquids Report*, for two facilities, have been combined with data reported for two refineries on Form EIA-810, *Monthly Refinery Report*. The primary impact of this reporting change is on Table 18, "Stocks of Crude Oil and Petroleum

Table B6. Impact of New Respondents to December 1985 PSM Data

Product	Refinery Production (thousand barrels per day)		Stocks[1] (thousand barrels)	
	Reported by New Respondents	Published U.S. Total	Reported by New Respondents	Published U.S. Total
Leaded Gasoline	1.3	2,326	224	81,379
Unleaded Gasoline	0.6	4,323	276	108,422
Distillate Fuel Oil	0	3,174	1,217	143,911
Residual Fuel Oil	0	1,055	1,747	50,671
NGL's & LRG's	0	393	409	80,898
Other Products	0	3,302	1,413	239,158
Crude Oil (excl. SPR)	--	--	2,314	318,695

[1] Stocks as of December 31, 1985.

Products by PAD District," which will show a decrease in natural gas liquids (NGL) stocks at bulk terminals and natural gas processing plants, and an increase in NGL stocks at refineries.

Changes in Publication Tables

Several changes have been made to tables in the PSA either as a direct result of changes in reporting requirements or to improve the usefulness of the publication. These changes are:

- Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District"

  - Alaskan crude oil receipts are now shown separately.

- Table 12, "Refinery Production of Petroleum Products by PAD District"

  - The "petrochemical feedstock use" and "other use" are no longer shown separately for still gas or for liquefied refinery gases.

- Table 14, "Imports of Crude Oil and Petroleum Products by PAD District"

  - Imports of unfinished oils are now separated into four categories: naphthas and lighter, kerosene and light gas oils, heavy gas oils, and residuum.

- Table 15, "Imports of Crude Oil and Petroleum Products by Source"
  - Countries formerly included in the categories "Other Western Hemisphere" and "Other Eastern Hemisphere" are shown individually.

- Table 18, "Stocks of Crude Oil and Petroleum Products by PAD District"

  - The breakout between "petrochemical feedstock use" and "other use" for each liquefied petroleum gas was eliminated.

Note 16: 1987 Changes in the Petroleum Supply Reporting System

Several changes to the Petroleum Supply Reporting System went into effect at the beginning of January 1987. These changes were made as part of the Energy Information Administration's (EIA's) continuing effort to provide pertinent, timely and consistent energy information.

Changes in Data Collection and Reporting Systems

- Fresh feed input to catalytic cracking units, hydrocracking units and cokers were added to the Form EIA-810, *Monthly Refinery Report.*

Changes in Publications

- The "Appalachian No. 2" Refining District has been combined with the "Indiana, Illinois, Kentucky," Refining District. This affects *Petroleum Supply Annual* (PSA) Tables 10, 11, 12, 13, 18, 24, and 25.

- Fresh feed inputs to catalytic cracking units, hydrocracking units and cokers are included in Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District."

Clarification

In 1986, several refineries and terminals in the United States applied for Foreign Trade Zone (FTZ) status and applications from three refineries were approved. Consequently, during 1986, some refineries with FTZ status were treated as if they were within the United States while the Hawaiian FTZ was considered outside.

- Effective with the January 1987 data, all Foreign Trade Zone facilities located within the 50 United States are considered domestic entities and are included in statistics in the PSA. The prinicipal differences in the PSA data series are about a 1 percent increase in crude oil imports and a 3 percent decrease in product imports.

Note 17: EIA-820: Annual Refinery Report

Background

The Form EIA-820, *Annual Refinery Report*, is used to collect data measuring the preceding year's volume of fuels consumed for all purposes at the refinery; the preceding year's volume of refinery receipts of crude oil by method of transportation; current and next year projections for operable atmospheric crude oil distillation capacity, downstream charge capacity and production capacity; and current year working and shell storage capacity for crude oil and petroleum products at the refinery.

Refinery capacity data collection was begun in 1918 by the Bureau of Mines (BOM), then in the Department of Commerce, and was operated on a voluntary basis until 1980.

In 1980, the mandatory Energy Information Administration (EIA) Form EIA-177, *Capacity of Petroleum Refineries*, was implemented. Information on refining capacity was expanded to include not only current year operations but two year projections, and refinery input/production data were requested. Working storage capacity data was also added to the form and product categories were added for total coverage. Information on refinery downstream facilities was expanded to include a breakdown of thermal operations and to add vacuum distillation, catalytic hydrorefining and hydrotreating. Production capacity was also added to collect information on isomerization, alkylation, aromatics, asphalt, coking, lubes and hydrogen.

In 1983, the form was revised to improve the consistency and quality of the data collected by the EIA and redesignated as Form EIA-820, *Annual Refinery Report*. Two sections for data previously reported monthly were added to the annual: (1) refinery receipts of crude oil by method of transportation, and (2) fuels consumed for all purposes at refineries. Also, the second year projections were eliminated. As a result of a study conducted by the EIA evaluating motor gasoline data collected by the Federal Highway Administration (FHWA) and by the EIA, motor gasoline blending plants were included for the first time to the universe of respondents in order to produce more accurate statistics on the production of motor gasoline.

In 1987, the form was revised to reduce respondent burden and to better reflect current refinery operations through updated terminology. Information on projected input/production of refinery processing facilities was deleted. Several categories under catalytic hydrotreating were combined: naphtha and reformer feeds were combined into a single category as well as residual fuel oil and other. Thermal cracking types, gas oil and other were also combined into a single category. Catalytic reforming types, conventional and bi-metallic were replaced with low and high pressure processing units. Two new categories were added: fuels solvent deasphalting was added to downstream charge capacity and sulfur recovery was added to production capacity.

Description of Survey Universe

The reporting universe consists of all operating and idle petroleum refineries (including new refineries under construction), blending plants, shutdown refineries with usable storage capacity, and refineries shut down during the previous year, located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. As of January 1, 1988, there were 213 refineries and 26 motor gasoline blending plants located in the 50 States.

The list of respondents is maintained by monitoring the monthly Form EIA-810, *Monthly Refinery Report*, and industry publications for changes and developments in the petroleum industry such as refinery sales, mergers and new operations.

Information Collected

The main items of information collected annually are fuels consumed for all purposes at the refinery during the preceding year; refinery receipts of crude oil by method of transportation during the preceding year; current and next year projections for operable atmospheric crude oil distillation capacity, downstream charge capacity and production capacity; and current year working and shell storage capacity for crude oil and petroleum products at the refinery.

Collection Methods

The Form EIA-820 is sent to respondents during the month of December and completed forms are required to be postmarked by the 15th day of February of the current report year.

Receipt of the reports are monitored using an automated respondent mailing list. Telephone follow-up calls are made to secure responses from those companies failing to report by February 15th. Data are estimated and noncompliance procedures are implemented for those companies still not reporting data by closeout for the report year. Resubmissions are required whenever an error greater than five percent of the true value is discovered. In the event of a reporting error, company reports are updated after contact with the company and are followed-up by corrected report resubmissions.

Imputing Missing Data

The response rate for the Form EIA-820 is normally very high. For the January 1, 1988 survey, only three refineries failed to report, thereby requiring imputation. For nonrespondents, the following imputation methodology is applied:

Section 1: Fuel, Electricity, and Steam Consumed for All Purposes at Refineries

The estimates for this section are based upon data reported on the monthly Form EIA-810, *Monthly Refinery Report*, and the previous year's annual report. A ratio of the fuel use reported on the previous year's annual report to the fuel use and losses reported on the aggregated monthly data for the previous year is derived for each product category. To arrive at a fuels consumed quantity, this ratio is applied to the current monthly aggregated data for similar product categories (i.e., to arrive at 1987 fuels consumed data, a ratio of fuel use reported for 1986 on the annual report (1987

report) to fuel use and losses reported on the aggregated monthly data for 1986 is derived for each product category. This ratio is then applied to the 1987 aggregated monthly data for similar product categories).

Section 2: Refinery Receipts of Crude Oil by Method of Transportation

The estimates for this section are based on data reported on the monthly Form EIA-810, *Monthly Refinery Report*. The monthly data for 1987 are summed to arrive at a total for domestic and foreign receipts of crude oil. The method of transportation is taken from the previous year's annual report. The difference between the total receipts reported in 1987 and the total receipts reported on the annual report are distributed proportionately to the method of transportation categories.

Section 3: Operable and Storage Capacity as of January 1

Estimates for atmospheric crude oil distillation capacity in barrels per calendar day, are taken directly from the January 1988 Form EIA-810, *Monthly Refinery Report*. A barrels per stream day capacity is then derived by dividing the reported barrels per calendar day capacity by .95. Current year and projected year data for downstream charge capacity and production capacity are taken from the previous year's annual report. Estimates for working and shell storage capacity are taken directly from the previous year's annual report.

Note 17: Annual Refinery Report-Accuracy of the Data

There are two types of errors usually associated with data produced from a survey—sampling errors and nonsampling errors. Sampling errors are those errors that occur when survey estimates are based on a sample rather than being derived from a complete census of the frame. Nonsampling errors, sometimes referred to as biases, are those which can arise from a number of sources: (1) the inability to obtain data from all companies in the frame or sample (nonresponse) and the method used to account for nonresponses, (2) definitional difficulties and/or improperly worded questions which lead to different interpretations, (3) mistakes in recording or coding the data obtained from respondents, and (4) other errors of collection, response, coverage, and estimation. Because estimates from the Form EIA-820 survey are based on a complete census of the frame of petroleum refineries and motor gasoline blending plants, there is no sampling error in the data presented in this report. The data, however, are subject to nonsampling errors. Quality control procedures are employed in the collection and editing operations in an attempt to minimize misrepresentation and misreporting. Nonresponse follow-up procedures are employed to reduce the number of nonrespondents, and procedures employed to impute missing data, introduce a minimal amount of bias, given the relatively small volume of imputed data.

Note 18: Annual Refinery Report-Motor Gasoline Blending Plants

Most finished motor gasoline production occurs at petroleum refineries. However, some production takes place at blending facilities which mechanically blend gasoline components into finished motor gasoline. The following is a list of motor gasoline blending plants and their locations that operated during 1987 or reported on the Form EIA-820 for 1988.

Citgo Petroleum Corp.
Linden, New Jersey

Edgington Oil Co. Inc.
Signal Hill, California

Enron Gas Processing Inc.
Brooker, Florida

GATX Terminal Corp.
Pasadena, California

GATX Terminal Corp.
Carteret, New Jersey

Hartford/Woodriver Terminal
Hartford, Illinois

Intercontinental Terminal Co.
Deer Park, Texas

IOT Energy Corp.
St. Louis, Missouri

ITAPCO
New Albany, Indiana

Marion Petroleum Distributing
Ocala, Florida

Morgan Production Inc.
Karnack, Texas

New Haven Terminals Inc.
East Haven, Connecticut

Northville Industries Corp.
Linden, New Jersey

Northville Industries Corp.
Riverhead, New York

Northville Industries Corp.
Setauket, New York

Oiltanking of Texas Inc.
Houston, Texas

Petro-Diamond Terminal Co.
Long Beach, California

Phillips 66 Co.
Jefferson City, Missouri

Phillips 66 Co.
East Chicago, Indiana

Phillips 66 Co.
East St. Louis, Illinois

Phillips 66 Co.
Decatur, Illinois

Southland Oil Co.
Vicksburg, Mississippi

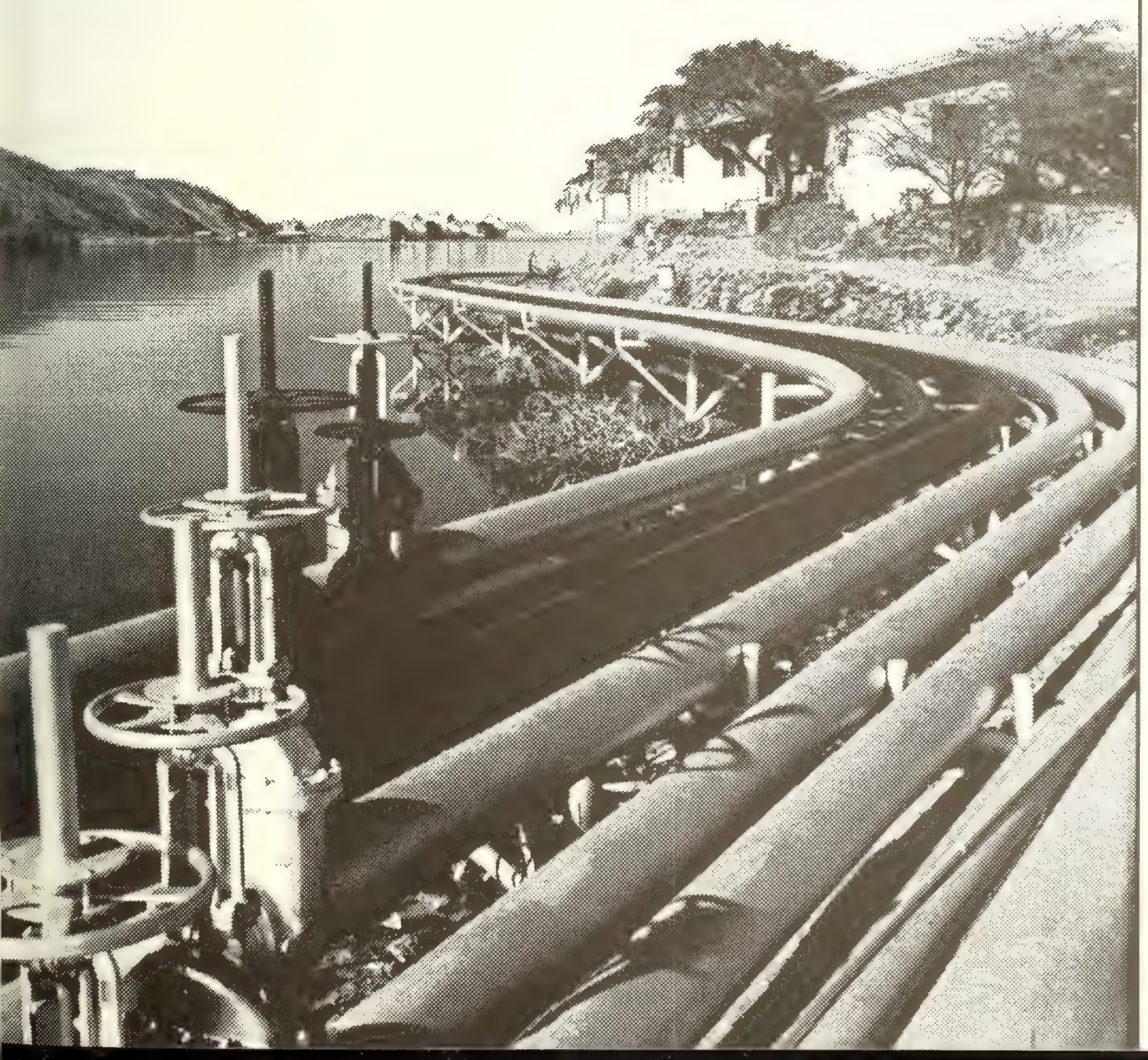
Spruce Oil
Denver, Colorado

Westec Petroleum Inc.
Grand Junction, Colorado

Westec Petroleum Inc.
Denver, Colorado

Wickland Oil Terminal Co.
Crockett, California

Glossary



Definitions of Petroleum Products and Other Terms

'cohol. The family name of a group of organic chemical mpounds composed of carbon, hydrogen, and oxygen. ie series of molecules vary in chain length and are com- sed of a hydrocarbon plus a hydroxyl group; CH-(CH)n- H (e.g., methanol, ethanol, and tertiary butyl alcohol BA)).

kylation. A refining process for chemically combining butane with olefin hydrocarbons (e.g., propylene, buty- ie) through the control of temperature and pressure in the esence of an acid catalyst, usually sulfuric acid or hy- ofluoric acid. The product, alkylate, an isoparaffin, has gh octane value and is blended with motor and aviation soline to improve the antiknock value of the fuel.

PI Gravity. An arbitrary scale expressing the gravity or nsity of liquid petroleum products. The measuring scale calibrated in terms of degrees API; it may be calculated in ms of the following formula:

$$\text{Degrees API} = \frac{141.5}{sp.gr.60\,^\circ F/60\,^\circ F} - 131.5$$

omatics. Hydrocarbons characterized by unsaturated g structures of carbon atoms. Commercial petroleum matics are benzene, toluene, and xylene (BTX).

phalt. A dark-brown-to-black cement-like material con- ning bitumens as the predominant constituents, obtained petroleum processing. The definition includes crude halt as well as the following finished products: cements, xes, the asphalt content of emulsions (exclusive of water), l petroleum distillates blended with asphalt to make cut- k asphalts. The conversion factor for asphalt is 5.5 rels of 42 U.S. gallons per short ton.

TM. The acronym for the American Society for Testing l Materials.

ation Gasoline (Finished). All special grades of gaso- for use in aviation reciprocating engines, as given in TM Specification D910 and Military Specification MIL- 572. Excludes blending components which will be used lending or compounding into finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt, still gas and wax to barrels are given in the definitions of these products.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed during a 24-hour period after making allowances for the following limitations:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude oil and product slate conditions.

Benzene. An aromatic hydrocarbon, (C6H6), present to a minor degree in most crude oils. Some important products manufactured from benzene are: styrene, phenol, nylon, aniline, and synthetic detergents.

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon, (C4H10). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

> ***Isobutane.*** A normally gaseous branch-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.
>
> ***Normal Butane.*** A normally gaseous straight-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C4H8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

> ***Fresh Feeds.*** Crude oil or petroleum distillates which are being fed to processing units for the first time.
>
> ***Recycled Feeds.*** Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlle heat and pressure with catalysts to rearrange certain hydr carbon molecules, thereby converting paraffinic ar naphthenic type hydrocarbons (e.g., low-octane gasoli boiling range fractions) into petrochemical feedstocks ar higher octane stocks suitable for blending into finished gas line. Catalytic reforming is reported in two categories. Th are:

> ***Low Pressure.*** A processing unit operating at less th 225 pounds per square inch gauge (PSIG) measured the outlet separator.
>
> ***High Pressure.*** A processing unit operating at eith equal to or greater than 225 pounds per square in gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refine processing facilities.

Coal. A generic term applied to carbonaceous rocks t were formed by the partial or complete decomposition vegetation. These stratified carbonaceous rocks are eith solid or brittle and are highly combustible. Includes ligni bituminous coal, and anthracite which conform to AST Specification D388.

Crude Distillation. The refining process of separati crude oil components at atmospheric pressure by heating temperatures of about 600 degrees F to 750 degrees F (d pending on the nature of the crude oil and desired produc and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture hydrocarbons that existed in liquid phase in undergrou reservoirs and remains liquid at atmospheric pressure af passing through surface-separating facilities. Included a lease condensate and liquid hydrocarbons produced from sands, gilsonite, and oil shale. Drip gases are also includ but topped crude oil (residual oil) and other unfinished c are excluded. Liquids produced at natural gas processi plants and mixed with crude oil are likewise excluded wh identifiable. Crude oil is considered as either domestic foreign, according to the following:

> ***Domestic.*** Crude oil produced in the United States from its "outer continental shelf" as defined in 43 U 1331.
>
> ***Foreign.*** Crude oil produced outside the United Stat Imported Athabasca hydrocarbons are included.

layed Coking. A process by which heavier crude oil ıctions can be thermally decomposed under conditions of evated temperatures and pressure to produce a mixture of hter oils and petroleum coke. The light oils can be proc-sed further in other refinery units to meet product specifi-tions. The coke can be used either as a fuel or in other ap-ıcations such as the manufacturing of steel or aluminum.

stillate Fuel Oil. A general classification for one of the troleum fractions produced in conventional distillation erations. It is used primarily for space heating, on-and-f-highway diesel engine fuel including railroad engine el and fuel for agricultural machinery), and electric power neration. Included are products known as No. 1, No. 2, d No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil . A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F at the 10-percent recovery point and 550 degrees F at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 designates minimum and maximum distillation temperatures at the 90-percent recovery point of 540 degrees F and 640 degrees F, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as designated in the ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a maximum distillation temperature of 550 degrees F at the 90-percent recovery point for use in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with minimum and maximum distillation temperatures at the 90-percent recovery point of 540 and 640 degrees F for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C2H6). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene. An olefinic hydrocarbon, (C2H4), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Flexicoking. A thermal cracking process which converts heavy hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. See Motor Gasoline (Finished).

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Heavy Gas Oil. Petroleum distillates with an approximate boiling range from 651 degrees F to 1000 degrees F.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See Butane.

Isohexane. A saturated branch-chain hydrocarbon, (C6H14). It is a colorless liquid that boils at a temperature of 156.2 degrees F.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane, (C4), an alkylation process feedstock, and normal pentane and hexane into isopentane, (C5), and isohexane, (C6), high-octane gasoline components.

Isopentane. See Natural Gasoline and Isopentane.

Kerosene. A petroleum distillate that has a maximum distillation temperature of 401 degrees F at the 10-percent recovery point, a final boiling point of 572 degrees F, and a minimum flash point of 100 degrees F. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kero sene is used in space heaters, cook stoves, and water heate and is suitable for use as an illuminant when burned in wic lamps.

Kerosene-type Jet Fuel. A quality kerosene product with maximum distillation temperature of 400 degrees F at th 10-percent recovery point and a final maximum boilin point of 572 degrees F. The fuel is designated in ASTM Specification D1655 and Military Specification MIL-T 5624L (Grades JP-5 and JP-8). A relatively low-freezin point distillate of the kerosene type used primarily fo commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from ga well gas (associated and non-associated) in lease separator or natural gas field facilities. Lease condensate consist primarily of pentanes and heavier hydrocarbons.

Light Gas Oils. Liquid petroleum distillates heavier tha naphtha, with an approximate boiling range from 401 de grees F to 650 degrees F.

Liquefied Petroleum Gases (LPG). Ethane, ethylene, pro pane, propylene, normal butane, butylene, and isobutan produced at refineries or natural gas processing plants including plants that fractionate raw natural gas plant liq uids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Throug compression and/or refrigeration, they are retained in th liquid state. The reported categories are ethane/ethylene propane/propylene, normal butane/butylene, and isobutane Excludes still gas.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may b produced either from distillates or residues. Other sub stances may be added to impart or improve certain require properties. Do not include byproducts of lubricating oi refining such as aromatic extracts derived from solven extraction or tars derived from deasphalting. "Lubricants" includes all grades of lubricating oils from spindle oil t cylinder oil and those used in greases. The three categorie include:

Bright Stock. A refined, high viscosity lubricating oi base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or sol vent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universa

Seconds (SUS) at 100 degrees F. A product of hydrotreating, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils, and medicinal oils).

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a range in distillation temperatures from 122 to 158 degrees F at the 10-percent recovery point and from 365 to 374 degrees F at the 90-percent recovery point. The Reid Vapor Pressure ranges from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol), limited to 10 percent by volume of alcohol.

Motor Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished motor gasoline (e.g. straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

Naphtha-type Jet Fuel. A fuel in the heavy naphtha boiling range. ASTM Specification D1655 specifies for this fuel maximum distillation temperatures of 290 degrees F at the 20-percent recovery point and 470 degrees F at the 90-percent point, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e., products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gas Processing Plant. A gas processing plant is a facility designed (1) to achieve the recovery of natural gas liquids from the stream of natural gas which may or may not have been processed through lease separators and field facilities, and (2) to control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C5H12), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See Butane.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates. Oxygenates include both alcohols and ethers used as octane boosting additives for gasoline (e.g., methyl tertiary butyl ether).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F" and "Other oils over 400 degrees F."

> *Naphtha-Less Than 400 Degrees F.* A naphtha with a boiling range of less than 400 degrees F that is intended for use as a petrochemical feedstock.

> *Other Oils-Over 400 Degrees F.* Oils with a boil range of over 400 degrees F that is intended for us a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the cond sation process in cracking. This product is reported marketable coke or catalyst coke. The conversion facto 5 barrels of 42 U.S. gallons per short ton.

> *Marketable Coke.* Those grades of coke produce delayed or fluid cokers which may be recovered relatively pure carbon. This "green" coke may be s as is or further purified by calcining.

> *Catalyst Coke.* In many catalytic operations (e catalytic cracking) carbon is deposited on the catal thus deactivating the catalyst. The catalyst is rea vated by burning off the carbon, which is used as a f in the refining process. This carbon or coke is recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained fr the processing of crude oil (including lease condensa natural gas, and other hydrocarbon compounds. Petrole products include unfinished oils, liquefied petroleum gas pentanes plus, aviation gasoline, motor gasoline, napht type jet fuel, kerosene-type jet fuel, kerosene, distillate f oil, residual fuel oil, petrochemical feedstocks, spe naphthas, lubricants, waxes, petroleum coke, asphalt, r oil, still gas, and miscellaneous products.

Plant Condensate. One of the natural gas liquids, mos pentanes and heavier hydrocarbons, recovered and se rated as liquids at gas inlet separators or scrubbers in pr essing plants.

Primary Stocks. Stocks of crude oil or petroleum produ held in storage at (or in) leases, refineries, natural processing plant pipelines, tankfarms, and bulk termin that can store at least 50,000 barrels of petroleum produ or that can receive petroleum products by tanker, barge pipeline. Crude oil that is in-transit by water from Alas or that is stored on Federal leases or in the Strategic Pet leum Reserve is included. Primary Stocks exclude stock foreign origin that are held in bonded warehouse storag

Production Capacity. The amount of product that can produced from processing facilities.

Propane. A normally gaseous straight-chain hydrocarb (C3H8). It is a colorless paraffinic gas that boils a temperature of -43.67 degrees F. It is extracted from natu gas or refinery gas streams. It includes all products des nated in ASTM Specification D1835 and Gas Process

sociation Specifications for commercial propane and
)-5 propane.

opylene. An olefinic hydrocarbon, (C3H6), recovered
m refinery processes or petrochemical processes.

finery. An installation that manufactures finished petro-
m products from crude oil, unfinished oils, natural gas
uids, other hydrocarbons, and alcohol.

sidual Fuel Oil. The topped crude of refinery operations
ich includes No. 5 and No. 6 fuel oils as defined in ASTM
ecification D396 and Federal Specification VV-F-815C,
vy Special fuel oil as defined in Military Specification
L-F-859E including Amendment 2 (NATO Symbol F-
, and Bunker C fuel oil. Residual fuel oil is used for the
duction of electric power, space heating, vessel bunker-
, and various industrial purposes. Imports of residual fuel
include "Imported Crude Oil Burned as Fuel."

siduum. Residue from crude oil after distilling off all but
heaviest components, with a boiling range greater than
0 degrees F.

ad Oil. Any heavy petroleum oil, including residual
haltic oil used as a dust pallative and surface treatment on
ds and highways. It is generally produced in six grades
n 0, the most liquid, to 5, the most viscous.

ll Storage Capacity. The design capacity of a petroleum
age tank and is always greater than or equal to working
age capacity.

cial Naphthas. All finished products within the naphtha
ing range that are used as paint thinners, cleaners, or
ents. These products are refined to a specified flash
t. Special naphthas include all commercial hexane and
ning solvents conforming to ASTM Specification
36 and D484, respectively. Naphthas to be blended or
keted as motor gasoline or aviation gasoline, or that are
e used as petrochemical and synthetic natural gas (SNG)
lstocks are excluded.

m (Purchased). Steam, purchased for use by a refinery,
was not generated from within the refinery complex.

Gas (Refinery Gas). Any form or mixture of gases
duced in refineries by distillation, cracking, reforming,
other processes. The principal constituents are methane,
ne, ethylene, normal butane, butylene, propane, propyl-
etc. Still gas is used as a refinery fuel and a petrochemi-
eedstock. The conversion factor is 6.000 million BTU's
barrel (42 U.S. gallons).

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A nonmetallic element of lemon-yellow color, sometimes known as "brimstone."

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene. An aromatic hydrocarbon, (C6H5CH3), somewhat similar to benzene but of a higher boiling point produced in the coking of coal and also by petroleum refining processes. It is the basis of dyes, explosives, and aromatic compounds. Along with xylene, it is a key component in unleaded gasoline.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending. Includes naphthas, kerosene, light and heavy gas oils, and residuum. See individual categories for definition.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42 U.S. gallons per barrel.

> ***Microcrystalline Wax.*** Wax extracted from certain petroleum residues having a finer and less apparent

crystalline structure than paraffin wax and having the following physical characteristics: Penetration at 77 degrees F (D1321)-60 maximum. Viscosity at 210 degrees F in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemishpere. That half of the earth that includes North and South America and adjacent islands.

Working Storage Capacity. The volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene. An aromatic hydrocarbon, (C6H4(CH3)2), produced in petroleum refining (cracking) processes. One important use is as a solvent in the manufacture of paints. Along with toluene, it is a key ingredient in unleaded gasoline.

THE PRESIDENT DOESN'T TAKE AN OATH TO DEFEND THE AMERICAN FLAG OR THE STATUE OF LIBERTY.

The President takes an oath to defend something even more important than a majestic symbol of our country.



The President takes an oath to defend the Constitution of the United States. A document that has been described as the greatest leap forward for freedom in human history. A document that is the foundation of our country. And the means by which we achieve the rule of law and protect our freedom.

As we commemorate the Bicentennial of the Constitution, there is no better way for you as an American to reaffirm the principles for which our country stands than to learn more about the Constitution.

The words we live by.

THE CONSTITUTION

The words we live by

To learn more about the Constitution write: Constitution, Washington, D.C. 20599. The Commission on the Bicentennial of The U.S. Constitution. Ad Council

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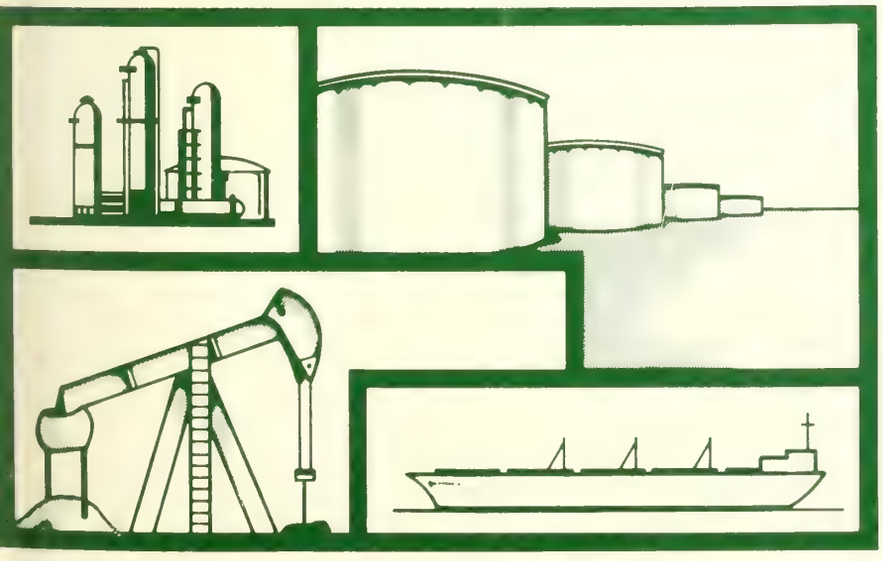


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Petroleum Supply Annual 1987

Volume 2



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Preface

The Petroleum Supply Annual (PSA) contains information on the supply and disposition of crude oil and petroleum products. The publication reflects data that were collected from the petroleum industry during 1987 through annual and monthly surveys. The PSA is divided into two volumes. The first volume contains two sections, Petroleum Supply Summary and Refinery Capacity, each with final annual data. This second volume contains final statistics for each month of 1987, and replaces data previously published in the *Petroleum Supply Monthly* (PSM). The tables in Volumes I and II are similarly numbered to facilitate comparison between them.

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1987 Monthly Statistics Tables

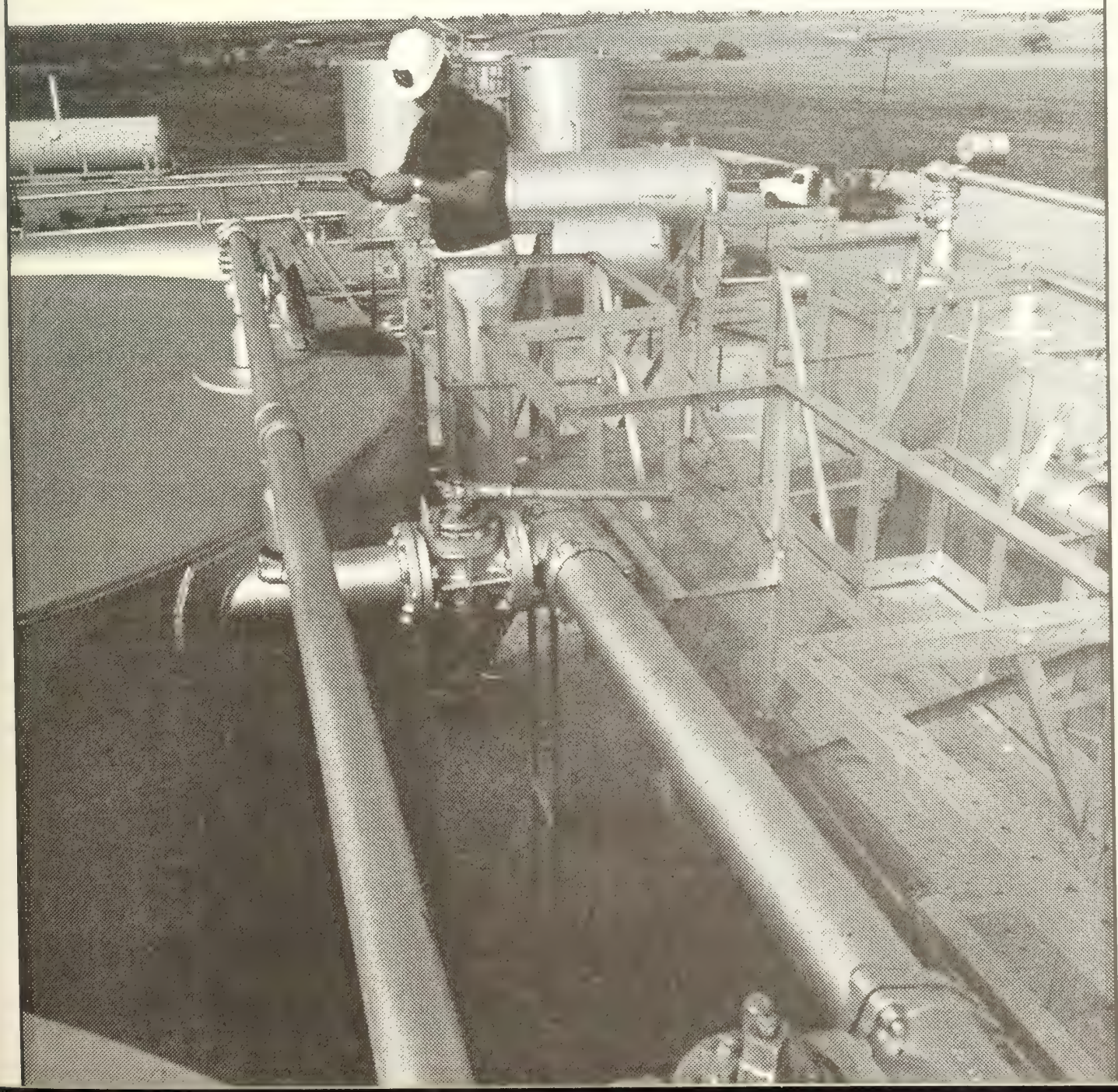


Table 1. U.S. Petroleum Balance, January 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	62,598	2,019
(2) Lower 48 States	200,290	6,461
(3) Total U.S.	262,888	8,480
Net Imports		
(4) Imports (Gross Excluding SPR)	133,081	4,293
(5) SPR Imports	2,862	92
(6) Exports	2,595	84
(7) Imports (Net Including SPR)	133,348	4,302
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-3,345	-108
(9) Other Stock Withdrawal (+) or Addition (-)	-1,805	-58
(10) Product Supplied and Losses	-1,275	-41
(11) Unaccounted for [1]	-155	-5
(12) Total Other Sources	-6,580	-212
(13) Crude Input to Refineries	389,656	12,570
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,055	1,582
(15) Net Imports [2]	547	18
(16) Stock Withdrawal (+) or Addition (-) [2]	64	2
(17) Total NGPL Supply	49,666	1,602
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-1,223	-39
(19) Imports	8,391	271
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,360	76
(21) Refinery Processing Gain [1]	21,424	691
(22) Crude Oil Product Supplied	1,258	41
(23) Total Other Liquids	32,210	1,039
(23) = (18) through (22)		
(24) Total Production of Products [3]	471,532	15,211
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	51,995	1,677
(26) Exports	19,124	617
(27) Imports (Net)	32,871	1,060
(28) Total New Supply of Products	504,402	16,271
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	12,808	413
(30) Total Petroleum Products Supplied for Domestic Use	517,210	16,684
(30) = (28) + (29)		
(31) Finished Motor Gasoline	202,580	6,535
(32) Distillate Fuel Oil	102,618	3,310
(33) Residual Fuel Oil	46,627	1,504
(34) Liquefied Petroleum Gases	61,105	1,971
(35) Other [4]	103,023	3,323
(36) Crude Oil	1,258	41
(37) Total Product Supplied	517,210	16,684
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	333,029	--
(39) Strategic Petroleum Reserve (SPR)	514,910	--
(40) Unfinished Oils	93,506	--
(41) Gasoline Blending Components [5]	41,201	--
(42) Pentanes Plus	6,810	--
(43) Finished Refined Products [3]	596,557	--
(44) Total Stocks	1,586,013	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, February 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	51,879	1,853
(2) Lower 48 States	183,001	6,536
(3) Total U.S.	234,880	8,389
Net Imports		
(4) Imports (Gross Excluding SPR)	107,019	3,822
(5) SPR Imports	1,241	44
(6) Exports	7,940	284
(7) Imports (Net Including SPR)	100,320	3,583
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,799	-64
(9) Other Stock Withdrawal (+) or Addition (-)	1,171	42
(10) Product Supplied and Losses	-1,146	-41
(11) Unaccounted for [1]	10,687	382
(12) Total Other Sources	8,913	318
(13) Crude Input to Refineries	344,113	12,290
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	45,306	1,618
(15) Net Imports [2]	327	12
(16) Stock Withdrawal (+) or Addition (-) [2]	-480	-17
(17) Total NGPL Supply	45,153	1,613
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-11,197	-400
(19) Imports	10,455	373
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,846	66
(21) Refinery Processing Gain [1]	17,858	638
(22) Crude Oil Product Supplied	1,145	41
(23) Total Other Liquids	20,107	718
(23) = (18) through (22)		
(24) Total Production of Products [3]	409,373	14,620
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	48,462	1,731
(26) Exports	19,357	691
(27) Imports (Net)	29,105	1,039
(28) Total New Supply of Products	438,477	15,660
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	34,948	1,248
(30) Total Petroleum Products Supplied for Domestic Use	473,425	16,908
(30) = (28) + (29)		
(31) Finished Motor Gasoline	190,286	6,796
(32) Distillate Fuel Oil	93,671	3,345
(33) Residual Fuel Oil	42,421	1,515
(34) Liquefied Petroleum Gases	50,090	1,789
(35) Other [4]	95,813	3,422
(36) Crude Oil	1,145	41
(37) Total Product Supplied	473,425	16,908
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	331,858	--
(39) Strategic Petroleum Reserve (SPR)	516,709	--
(40) Unfinished Oils	101,682	--
(41) Gasoline Blending Components [5]	44,222	--
(42) Pentanes Plus	7,290	--
(43) Finished Refined Products [3]	561,609	--
(44) Total Stocks	1,563,370	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, March 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	61,007	1,968
(2) Lower 48 States	201,391	6,496
(3) Total U.S.	262,398	8,464
Net Imports		
(4) Imports (Gross Excluding SPR)	114,219	3,684
(5) SPR Imports	2,941	95
(6) Exports	4,645	150
(7) Imports (Net Including SPR)	112,515	3,630
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-3,278	-106
(9) Other Stock Withdrawal (+) or Addition (-)	-593	-19
(10) Product Supplied and Losses	-1,219	-39
(11) Unaccounted for [1]	4,673	151
(12) Total Other Sources	-417	-13
(13) Crude Input to Refineries	374,496	12,081
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,529	1,598
(15) Net Imports [2]	327	11
(16) Stock Withdrawal (+) or Addition (-) [2]	458	15
(17) Total NGPL Supply	50,314	1,623
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-4,542	-147
(19) Imports	12,504	403
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,140	69
(21) Refinery Processing Gain [1]	18,409	594
(22) Crude Oil Product Supplied	1,202	39
(23) Total Other Liquids	29,713	958
(23) = (18) through (22)		
(24) Total Production of Products [3]	454,523	14,662
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	49,546	1,598
(26) Exports	17,596	568
(27) Imports (Net)	31,950	1,031
(28) Total New Supply of Products	486,474	15,693
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	14,635	472
(30) Total Petroleum Products Supplied for Domestic Use	501,109	16,165
(30) = (28) + (29)		
(31) Finished Motor Gasoline	215,891	6,964
(32) Distillate Fuel Oil	96,590	3,116
(33) Residual Fuel Oil	38,254	1,234
(34) Liquefied Petroleum Gases	48,049	1,550
(35) Other [4]	101,123	3,262
(36) Crude Oil	1,202	39
(37) Total Product Supplied	501,109	16,165
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	332,451	--
(39) Strategic Petroleum Reserve (SPR)	519,987	--
(40) Unfinished Oils	106,662	--
(41) Gasoline Blending Components [5]	43,734	--
(42) Pentanes Plus	6,832	--
(43) Finished Refined Products [3]	546,974	--
(44) Total Stocks	1,556,690	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, April 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	59,707	1,990
(2) Lower 48 States	195,238	6,508
(3) Total U.S.	254,945	8,498
Net Imports		
(4) Imports (Gross Excluding SPR)	122,266	4,076
(5) SPR Imports	1,698	57
(6) Exports	7,409	247
(7) Imports (Net Including SPR)	116,555	3,885
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,996	-67
(9) Other Stock Withdrawal (+) or Addition (-)	3,494	116
(10) Product Supplied and Losses	-1,234	-41
(11) Unaccounted for [1]	3,600	120
(12) Total Other Sources	3,864	129
(13) Crude Input to Refineries	375,364	12,512
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	47,688	1,590
(15) Net Imports [2]	554	18
(16) Stock Withdrawal (+) or Addition (-) [2]	-497	-17
(17) Total NGPL Supply	47,745	1,592
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	4,542	151
(19) Imports	10,258	342
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,549	52
(21) Refinery Processing Gain [1]	19,266	642
(22) Crude Oil Product Supplied	1,229	41
(23) Total Other Liquids	36,844	1,228
(23) = (18) through (22)		
(24) Total Production of Products [3]	459,953	15,332
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	42,487	1,416
(26) Exports	18,634	621
(27) Imports (Net)	23,853	795
(28) Total New Supply of Products	483,806	16,127
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	11,900	397
(30) Total Petroleum Products Supplied for Domestic Use	495,706	16,524
(30) = (28) + (29)		
(31) Finished Motor Gasoline	219,421	7,314
(32) Distillate Fuel Oil	89,736	2,991
(33) Residual Fuel Oil	35,466	1,182
(34) Liquefied Petroleum Gases	44,797	1,493
(35) Other [4]	105,057	3,502
(36) Crude Oil	1,229	41
(37) Total Product Supplied	495,706	16,524
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	328,957	--
(39) Strategic Petroleum Reserve (SPR)	521,983	--
(40) Unfinished Oils	104,478	--
(41) Gasoline Blending Components [5]	41,426	--
(42) Pentanes Plus	7,329	--
(43) Finished Refined Products [3]	535,074	--
(44) Total Stocks	1,539,247	--

[1] A balancing item.
[2] Includes products in the pentanes plus category only.
[3] For products included see Explanatory Note 7.7.
[4] Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
[5] Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, May 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	61,357	1,979
(2) Lower 48 States	197,069	6,357
(3) Total U.S.	258,426	8,336
Net Imports		
(4) Imports (Gross Excluding SPR)	131,692	4,248
(5) SPR Imports	2,857	92
(6) Exports	2,125	69
(7) Imports (Net Including SPR)	132,424	4,272
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-3,146	-101
(9) Other Stock Withdrawal (+) or Addition (-)	4,254	137
(10) Product Supplied and Losses	-1,321	-43
(11) Unaccounted for [1]	1,591	51
(12) Total Other Sources	1,378	44
(13) Crude Input to Refineries	392,228	12,653
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,150	1,585
(15) Net Imports [2]	59	2
(16) Stock Withdrawal (+) or Addition (-) [2]	-404	-13
(17) Total NGPL Supply	48,805	1,574
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	4,117	133
(19) Imports	9,729	314
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,718	55
(21) Refinery Processing Gain [1]	20,820	672
(22) Crude Oil Product Supplied	1,310	42
(23) Total Other Liquids	37,694	1,216
(23) = (18) through (22)		
(24) Total Production of Products [3]	478,727	15,443
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	43,843	1,414
(26) Exports	18,445	595
(27) Imports (Net)	25,399	819
(28) Total New Supply of Products	504,126	16,262
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-7,320	-236
(30) Total Petroleum Products Supplied for Domestic Use	496,806	16,026
(30) = (28) + (29)		
(31) Finished Motor Gasoline	231,273	7,460
(32) Distillate Fuel Oil	83,198	2,684
(33) Residual Fuel Oil	31,897	1,029
(34) Liquefied Petroleum Gases	39,919	1,288
(35) Other [4]	109,208	3,523
(36) Crude Oil	1,310	42
(37) Total Product Supplied	496,806	16,026
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	324,703	--
(39) Strategic Petroleum Reserve (SPR)	525,129	--
(40) Unfinished Oils	101,998	--
(41) Gasoline Blending Components [5]	39,789	--
(42) Pentanes Plus	7,733	--
(43) Finished Refined Products [3]	542,394	--
(44) Total Stocks	1,541,746	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, June 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	57,899	1,930
(2) Lower 48 States	190,457	6,349
(3) Total U.S.	248,356	8,279
Net Imports		
(4) Imports (Gross Excluding SPR)	142,285	4,743
(5) SPR Imports	1,912	64
(6) Exports	3,468	116
(7) Imports (Net Including SPR)	140,729	4,691
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,058	-69
(9) Other Stock Withdrawal (+) or Addition (-)	-2,895	-97
(10) Product Supplied and Losses	-1,091	-36
(11) Unaccounted for [1]	13,007	434
(12) Total Other Sources	6,963	232
(13) Crude Input to Refineries (13) = (3) + (7) + (12)	396,048	13,202
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	47,352	1,578
(15) Net Imports [2]	362	12
(16) Stock Withdrawal (+) or Addition (-) [2]	-831	-28
(17) Total NGPL Supply	46,883	1,563
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	949	32
(19) Imports	13,721	457
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,485	50
(21) Refinery Processing Gain [1]	17,927	598
(22) Crude Oil Product Supplied	1,087	36
(23) Total Other Liquids (23) = (18) through (22)	35,169	1,172
(24) Total Production of Products [3] (24) = (13) + (17) + (23)	478,100	15,937
Net Imports of Refined Products [3]		
(25) Imports (Gross)	44,778	1,493
(26) Exports	16,608	554
(27) Imports (Net)	28,171	939
(28) Total New Supply of Products (28) = (24) + (27)	506,271	16,876
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-1,379	-46
(30) Total Petroleum Products Supplied for Domestic Use (30) = (28) + (29)	504,892	16,830
(31) Finished Motor Gasoline	226,184	7,539
(32) Distillate Fuel Oil	83,690	2,790
(33) Residual Fuel Oil	36,224	1,207
(34) Liquefied Petroleum Gases	41,999	1,400
(35) Other [4]	115,708	3,857
(36) Crude Oil	1,087	36
(37) Total Product Supplied (37) = (31) through (36)	504,892	16,830
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	327,598	--
(39) Strategic Petroleum Reserve (SPR)	527,187	--
(40) Unfinished Oils	102,392	--
(41) Gasoline Blending Components [5]	38,446	--
(42) Pentanes Plus	8,564	--
(43) Finished Refined Products [3]	543,773	--
(44) Total Stocks	1,547,960	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, July 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	59,202	1,910
(2) Lower 48 States	196,580	6,341
(3) Total U.S.	255,782	8,251
Net Imports		
(4) Imports (Gross Excluding SPR)	161,764	5,218
(5) SPR Imports	2,367	76
(6) Exports	4,616	149
(7) Imports (Net Including SPR)	159,515	5,146
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,825	-91
(9) Other Stock Withdrawal (+) or Addition (-)	3,848	124
(10) Product Supplied and Losses	-985	-32
(11) Unaccounted for [1]	999	32
(12) Total Other Sources	1,037	33
(13) Crude Input to Refineries	416,334	13,430
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,037	1,582
(15) Net Imports [2]	270	9
(16) Stock Withdrawal (+) or Addition (-) [2]	-291	-9
(17) Total NGPL Supply	49,016	1,581
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	2,747	89
(19) Imports	9,752	315
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,924	62
(21) Refinery Processing Gain [1]	19,146	618
(22) Crude Oil Product Supplied	981	32
(23) Total Other Liquids	34,550	1,115
(23) = (18) through (22)		
(24) Total Production of Products [3]	499,900	16,126
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	60,989	1,967
(26) Exports	16,392	529
(27) Imports (Net)	44,597	1,439
(28) Total New Supply of Products	544,497	17,564
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-13,995	-451
(30) Total Petroleum Products Supplied for Domestic Use	530,502	17,113
(30) = (28) + (29)		
(31) Finished Motor Gasoline	235,018	7,581
(32) Distillate Fuel Oil	84,113	2,713
(33) Residual Fuel Oil	41,511	1,339
(34) Liquefied Petroleum Gases	47,568	1,534
(35) Other [4]	121,311	3,913
(36) Crude Oil	981	32
(37) Total Product Supplied	530,502	17,113
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	323,750	--
(39) Strategic Petroleum Reserve (SPR)	530,012	--
(40) Unfinished Oils	100,021	--
(41) Gasoline Blending Components [5]	38,070	--
(42) Pentanes Plus	8,855	--
(43) Finished Refined Products [3]	557,768	--
(44) Total Stocks	1,558,476	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, August 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	59,143	1,908
(2) Lower 48 States	195,365	6,302
(3) Total U.S.	254,508	8,210
Net Imports		
(4) Imports (Gross Excluding SPR)	168,843	5,447
(5) SPR Imports	1,959	63
(6) Exports	4,380	141
(7) Imports (Net Including SPR)	166,422	5,368
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,966	-63
(9) Other Stock Withdrawal (+) or Addition (-)	-8,718	-281
(10) Product Supplied and Losses	-955	-31
(11) Unaccounted for [1]	5,487	177
(12) Total Other Sources	-6,152	-198
(13) Crude Input to Refineries	414,778	13,380
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	48,701	1,571
(15) Net Imports [2]	-30	-1
(16) Stock Withdrawal (+) or Addition (-) [2]	564	18
(17) Total NGPL Supply	49,235	1,588
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-4,629	-149
(19) Imports	11,498	371
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,909	62
(21) Refinery Processing Gain [1]	19,186	619
(22) Crude Oil Product Supplied	954	31
(23) Total Other Liquids	28,918	933
(23) = (18) through (22)		
(24) Total Production of Products [3]	492,931	15,901
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	48,715	1,571
(26) Exports	16,126	520
(27) Imports (Net)	32,590	1,051
(28) Total New Supply of Products	525,521	16,952
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-18,780	-606
(30) Total Petroleum Products Supplied for Domestic Use	506,741	16,346
(30) = (28) + (29)		
(31) Finished Motor Gasoline	227,487	7,338
(32) Distillate Fuel Oil	79,154	2,553
(33) Residual Fuel Oil	36,467	1,176
(34) Liquefied Petroleum Gases	42,518	1,372
(35) Other [4]	120,162	3,876
(36) Crude Oil	954	31
(37) Total Product Supplied	506,741	16,346
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	332,468	--
(39) Strategic Petroleum Reserve (SPR)	531,978	--
(40) Unfinished Oils	103,578	--
(41) Gasoline Blending Components [5]	39,142	--
(42) Pentanes Plus	8,291	--
(43) Finished Refined Products [3]	576,548	--
(44) Total Stocks	1,592,005	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, September 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	56,232	1,874
(2) Lower 48 States	189,931	6,331
(3) Total U.S.	246,163	8,205
Net Imports		
(4) Imports (Gross Excluding SPR)	151,395	5,047
(5) SPR Imports	1,917	64
(6) Exports	3,478	116
(7) Imports (Net Including SPR)	149,834	4,994
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,912	-64
(9) Other Stock Withdrawal (+) or Addition (-)	-4,696	-157
(10) Product Supplied and Losses	-838	-28
(11) Unaccounted for [1]	6,500	217
(12) Total Other Sources	-946	-32
(13) Crude Input to Refineries	395,051	13,168
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	47,450	1,582
(15) Net Imports [2]	-40	-1
(16) Stock Withdrawal (+) or Addition (-) [2]	-130	-4
(17) Total NGPL Supply	47,280	1,576
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	762	25
(19) Imports	9,558	319
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,921	64
(21) Refinery Processing Gain [1]	20,295	677
(22) Crude Oil Product Supplied	832	28
(23) Total Other Liquids	33,368	1,112
(23) = (18) through (22)		
(24) Total Production of Products [3]	475,699	15,857
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	52,439	1,748
(26) Exports	20,317	677
(27) Imports (Net)	32,122	1,071
(28) Total New Supply of Products	507,821	16,927
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-7,724	-257
(30) Total Petroleum Products Supplied for Domestic Use	500,097	16,670
(30) = (28) + (29)		
(31) Finished Motor Gasoline	216,156	7,205
(32) Distillate Fuel Oil	85,130	2,838
(33) Residual Fuel Oil	38,894	1,296
(34) Liquefied Petroleum Gases	48,647	1,622
(35) Other [4]	110,438	3,681
(36) Crude Oil	832	28
(37) Total Product Supplied	500,097	16,670
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	337,164	--
(39) Strategic Petroleum Reserve (SPR)	533,890	--
(40) Unfinished Oils	102,984	--
(41) Gasoline Blending Components [5]	38,974	--
(42) Pentanes Plus	8,421	--
(43) Finished Refined Products [3]	584,272	--
(44) Total Stocks	1,605,705	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, October 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	61,563	1,986
(2) Lower 48 States	197,709	6,378
(3) Total U.S.	259,272	8,364
Net Imports		
(4) Imports (Gross Excluding SPR)	157,629	5,085
(5) SPR Imports	1,761	57
(6) Exports	2,592	84
(7) Imports (Net Including SPR)	156,798	5,058
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,762	-57
(9) Other Stock Withdrawal (+) or Addition (-)	-18,730	-604
(10) Product Supplied and Losses	-787	-25
(11) Unaccounted for [1]	-79	-3
(12) Total Other Sources	-21,358	-689
(13) Crude Input to Refineries	394,712	12,733
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,670	1,602
(15) Net Imports [2]	248	8
(16) Stock Withdrawal (+) or Addition (-) [2]	553	18
(17) Total NGPL Supply	50,471	1,628
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	222	7
(19) Imports	12,822	414
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,191	71
(21) Refinery Processing Gain [1]	19,323	623
(22) Crude Oil Product Supplied	777	25
(23) Total Other Liquids	35,335	1,140
(23) = (18) through (22)		
(24) Total Production of Products [3]	480,518	15,501
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	46,631	1,504
(26) Exports	17,421	562
(27) Imports (Net)	29,210	942
(28) Total New Supply of Products	509,728	16,443
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	15,445	498
(30) Total Petroleum Products Supplied for Domestic Use	525,173	16,941
(30) = (28) + (29)		
(31) Finished Motor Gasoline	226,466	7,305
(32) Distillate Fuel Oil	97,691	3,151
(33) Residual Fuel Oil	33,131	1,069
(34) Liquefied Petroleum Gases	53,037	1,711
(35) Other [4]	114,071	3,680
(36) Crude Oil	777	25
(37) Total Product Supplied	525,173	16,941
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	355,894	--
(39) Strategic Petroleum Reserve (SPR)	535,652	--
(40) Unfinished Oils	104,884	--
(41) Gasoline Blending Components [5]	36,852	--
(42) Pentanes Plus	7,868	--
(43) Finished Refined Products [3]	568,827	--
(44) Total Stocks	1,609,977	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, November 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	62,042	2,068
(2) Lower 48 States	189,873	6,329
(3) Total U.S.	251,915	8,397
Net Imports		
(4) Imports (Gross Excluding SPR)	147,494	4,916
(5) SPR Imports	2,895	97
(6) Exports	4,907	164
(7) Imports (Net Including SPR)	145,482	4,849
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,895	-97
(9) Other Stock Withdrawal (+) or Addition (-)	-7,743	-258
(10) Product Supplied and Losses	-763	-25
(11) Unaccounted for [1]	3,439	115
(12) Total Other Sources	-7,962	-265
(13) Crude Input to Refineries	389,435	12,981
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,103	1,637
(15) Net Imports [2]	249	8
(16) Stock Withdrawal (+) or Addition (-) [2]	318	11
(17) Total NGPL Supply	49,670	1,656
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	1,920	64
(19) Imports	10,238	341
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,328	78
(21) Refinery Processing Gain [1]	18,554	618
(22) Crude Oil Product Supplied	758	25
(23) Total Other Liquids	33,798	1,127
(23) = (18) through (22)		
(24) Total Production of Products [3]	472,903	15,763
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	51,088	1,703
(26) Exports	17,130	571
(27) Imports (Net)	33,958	1,132
(28) Total New Supply of Products	506,861	16,895
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-16,571	-552
(30) Total Petroleum Products Supplied for Domestic Use	490,290	16,343
(30) = (28) + (29)		
(31) Finished Motor Gasoline	214,540	7,151
(32) Distillate Fuel Oil	87,966	2,932
(33) Residual Fuel Oil	36,145	1,205
(34) Liquefied Petroleum Gases	52,053	1,735
(35) Other [4]	98,829	3,294
(36) Crude Oil	758	25
(37) Total Product Supplied	490,290	16,343
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	363,637	--
(39) Strategic Petroleum Reserve (SPR)	538,547	--
(40) Unfinished Oils	101,937	--
(41) Gasoline Blending Components [5]	37,879	--
(42) Pentanes Plus	7,550	--
(43) Finished Refined Products [3]	585,398	--
(44) Total Stocks	1,634,948	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, December 1987

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	63,325	2,043
(2) Lower 48 States	194,519	6,275
(3) Total U.S.	257,844	8,318
Net Imports		
(4) Imports (Gross Excluding SPR)	141,718	4,572
(5) SPR Imports	2,107	68
(6) Exports	6,809	220
(7) Imports (Net Including SPR)	137,016	4,420
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,101	-68
(9) Other Stock Withdrawal (+) or Addition (-)	14,642	472
(10) Product Supplied and Losses	-966	-31
(11) Unaccounted for [1]	3,133	101
(12) Total Other Sources	14,708	474
(13) Crude Input to Refineries	409,568	13,212
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,250	1,621
(15) Net Imports [2]	359	12
(16) Stock Withdrawal (+) or Addition (-) [2]	525	17
(17) Total NGPL Supply	51,134	1,649
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	8,576	277
(19) Imports	12,417	401
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,950	63
(21) Refinery Processing Gain [1]	21,057	679
(22) Crude Oil Product Supplied	964	31
(23) Total Other Liquids	44,964	1,450
(23) = (18) through (22)		
(24) Total Production of Products [3]	505,666	16,312
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	55,169	1,780
(26) Exports	25,900	835
(27) Imports (Net)	29,269	944
(28) Total New Supply of Products	534,935	17,256
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	5,855	189
(30) Total Petroleum Products Supplied for Domestic Use	540,790	17,445
(30) = (28) + (29)		
(31) Finished Motor Gasoline	224,788	7,251
(32) Distillate Fuel Oil	102,857	3,318
(33) Residual Fuel Oil	44,469	1,434
(34) Liquefied Petroleum Gases	58,499	1,887
(35) Other [4]	109,214	3,523
(36) Crude Oil	964	31
(37) Total Product Supplied	540,790	17,445
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	348,995	--
(39) Strategic Petroleum Reserve (SPR)	540,648	--
(40) Unfinished Oils	93,185	--
(41) Gasoline Blending Components [5]	38,055	--
(42) Pentanes Plus	7,025	--
(43) Finished Refined Products [3]	579,543	--
(44) Total Stocks	1,607,451	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**262,888**	**0**	**135,943**	**-5,150**	**-155**	**17**	**389,656**	**2,595**	**1,258**	**847,939**
Natural Gas Liquids and LRGs	**48,911**	**13,521**	**6,296**	**15,553**	**0**	**0**	**17,844**	**1,420**	**65,017**	**93,979**
Pentanes Plus	8,149	0	619	64	0	0	4,848	72	3,912	6,810
Liquefied Petroleum Gases	40,762	13,521	5,677	15,489	0	0	12,996	1,348	61,105	87,169
Ethane	15,877	374	125	-81	0	0	58	145	16,092	15,502
Propane	16,189	10,436	2,444	10,759	0	0	161	825	38,842	52,093
Normal Butane	4,922	2,431	1,865	4,108	0	0	8,389	306	4,631	11,751
Isobutane	3,774	280	1,243	703	0	0	4,388	72	1,540	7,823
Other Liquids	**2,360**	**0**	**8,391**	**-1,223**	**0**	**0**	**15,577**	**0**	**-6,049**	**134,707**
Other Hydrocarbons and Alcohol	2,360	0	0	-28	0	0	2,332	0	0	438
Unfinished Oils	0	0	5,883	516	0	0	9,144	0	-2,745	93,506
Motor Gasoline Blending Components	0	0	2,508	-1,693	0	0	4,145	0	-3,330	40,508
Aviation Gasoline Blending Components	0	0	0	-18	0	0	-44	0	26	255
Finished Petroleum Products	**144**	**430,980**	**46,317**	**-2,681**	**0**	**0**	**0**	**17,776**	**456,984**	**509,388**
Finished Motor Gasoline	10	208,129	12,173	-16,361	0	0	0	1,371	202,580	210,603
Finished Leaded Motor Gasoline	9	55,103	1,141	-2,479	0	0	0	667	53,107	70,710
Finished Unleaded Motor Gasoline	1	153,026	11,032	-13,882	0	0	0	705	149,472	139,893
Finished Aviation Gasoline	0	741	24	-161	0	0	0	0	604	2,357
Naphtha-Type Jet Fuel	0	5,389	173	-559	0	0	0	64	4,939	7,631
Kerosene-Type Jet Fuel	0	36,943	1,148	561	0	0	0	1,404	37,249	42,116
Kerosene	0	3,977	1,025	-136	0	0	0	11	4,855	8,515
Distillate Fuel Oil	50	85,487	6,888	13,755	0	0	0	3,562	102,618	141,342
Residual Fuel Oil	0	28,531	21,728	2,506	0	0	0	6,138	46,627	44,931
Naphtha < 400 Deg. for Petro. Feed Use	0	2,602	1,448	41	0	0	0	77	4,014	2,127
Other Oils > 400 Deg. for Petro. Feed Use	0	8,041	0	94	0	0	0	473	7,662	1,724
Special Naphthas	0	1,866	366	181	0	0	0	11	2,402	3,578
Lubricants	0	5,046	395	-85	0	0	0	530	4,826	14,249
Waxes	0	430	46	40	0	0	0	29	487	794
Petroleum Coke	0	16,141	17	-831	0	0	0	4,078	11,249	6,861
Asphalt and Road Oil	0	6,626	819	-1,715	0	0	0	5	5,725	19,422
Still Gas	0	18,944	0	0	0	0	0	0	18,944	0
Miscellaneous Products	84	2,087	67	-11	0	0	0	22	2,205	3,138
Total	**314,303**	**444,501**	**196,948**	**6,499**	**-155**	**17**	**423,077**	**21,791**	**517,210**	**1,586,013**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**234,880**	**0**	**108,260**	**-628**	**10,687**	**1**	**344,113**	**7,940**	**1,145**	**848,567**
Natural Gas Liquids and LRGs	**45,177**	**11,802**	**6,024**	**5,251**	**0**	**0**	**13,725**	**1,116**	**53,414**	**88,728**
Pentanes Plus	7,650	0	388	-480	0	0	4,173	61	3,324	7,290
Liquefied Petroleum Gases	37,527	11,802	5,636	5,731	0	0	9,552	1,054	50,090	81,438
Ethane	14,614	410	140	-1,904	0	0	41	123	13,095	17,406
Propane	14,341	8,708	2,314	5,721	0	0	330	561	30,193	46,372
Normal Butane	5,215	2,345	1,910	989	0	0	5,768	309	4,382	10,762
Isobutane	3,357	339	1,273	925	0	0	3,413	61	2,420	6,898
Other Liquids	**1,846**	**0**	**10,455**	**-11,197**	**0**	**0**	**5,669**	**0**	**-4,565**	**145,904**
Other Hydrocarbons and Alcohol	1,846	0	0	22	0	0	1,868	0	0	416
Unfinished Oils	0	0	8,697	-8,176	0	0	2,313	0	-1,792	101,682
Motor Gasoline Blending Components	0	0	1,758	-3,010	0	0	1,561	0	-2,813	43,518
Aviation Gasoline Blending Components	0	0	0	-33	0	0	-73	0	40	288
Finished Petroleum Products	**129**	**369,563**	**42,825**	**29,217**	**0**	**0**	**0**	**18,303**	**423,431**	**480,171**
Finished Motor Gasoline	12	178,209	8,648	4,039	0	0	0	622	190,286	206,564
Finished Leaded Motor Gasoline	11	46,335	434	2,052	0	0	0	447	48,385	68,658
Finished Unleaded Motor Gasoline	1	131,874	8,214	1,987	0	0	0	176	141,900	137,906
Finished Aviation Gasoline	0	607	40	-41	0	0	0	0	606	2,398
Naphtha-Type Jet Fuel	0	5,431	80	490	0	0	0	1	6,000	7,141
Kerosene-Type Jet Fuel	0	31,773	1,790	962	0	0	0	565	33,960	41,154
Kerosene	0	2,203	1,020	937	0	0	0	8	4,152	7,578
Distillate Fuel Oil	44	71,524	7,084	17,612	0	0	0	2,593	93,671	123,730
Residual Fuel Oil	0	23,105	18,706	6,791	0	0	0	6,181	42,421	38,140
Naphtha < 400 Deg. for Petro. Feed. Use	0	2,776	2,055	-36	0	0	0	76	4,719	2,163
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,657	1,400	5	0	0	0	319	8,743	1,719
Special Naphthas	0	1,627	768	37	0	0	0	15	2,417	3,541
Lubricants	0	4,415	443	558	0	0	0	704	4,712	13,691
Waxes	0	461	67	6	0	0	0	73	461	788
Petroleum Coke	0	14,798	41	-207	0	0	0	7,093	7,539	7,068
Asphalt and Road Oil	0	6,516	677	-2,295	0	0	0	5	4,893	21,717
Still Gas	0	16,660	0	0	0	0	0	0	16,660	0
Miscellaneous Products	73	1,801	6	359	0	0	0	49	2,190	2,779
Total	**282,032**	**381,365**	**167,565**	**22,643**	**10,687**	**1**	**363,507**	**27,358**	**473,425**	**1,563,370**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**262,398**	**0**	**117,160**	**-3,871**	**4,673**	**17**	**374,496**	**4,645**	**1,202**	**852,438**
Natural Gas Liquids and LRGs	**49,386**	**13,749**	**4,480**	**159**	**0**	**0**	**13,367**	**1,673**	**52,734**	**88,569**
Pentanes Plus	8,535	0	402	458	0	0	4,635	75	4,685	6,832
Liquefied Petroleum Gases	40,851	13,749	4,078	-299	0	0	8,732	1,598	48,049	81,737
Ethane	15,767	419	23	-1,632	0	0	56	151	14,370	19,038
Propane	15,646	9,319	1,827	1,723	0	0	261	1,087	27,167	44,649
Normal Butane	5,609	3,737	1,337	-539	0	0	4,689	285	5,170	11,301
Isobutane	3,829	274	891	149	0	0	3,726	75	1,342	6,749
Other Liquids	**2,140**	**0**	**12,504**	**-4,542**	**0**	**0**	**18,846**	**0**	**-8,744**	**150,446**
Other Hydrocarbons and Alcohol	2,140	0	0	-87	0	0	2,053	0	0	503
Unfinished Oils	0	0	10,797	-4,980	0	0	11,222	0	-5,405	106,662
Motor Gasoline Blending Components	0	0	1,707	438	0	0	5,486	0	-3,341	43,080
Aviation Gasoline Blending Components	0	0	0	87	0	0	85	0	2	201
Finished Petroleum Products	**143**	**411,369**	**45,468**	**14,934**	**0**	**0**	**0**	**15,998**	**455,916**	**465,237**
Finished Motor Gasoline	10	203,615	11,287	1,594	0	0	0	615	215,891	204,970
Finished Leaded Motor Gasoline	9	50,410	1,078	3,584	0	0	0	174	54,907	65,074
Finished Unleaded Motor Gasoline	1	153,205	10,209	-1,990	0	0	0	441	160,984	139,896
Finished Aviation Gasoline	0	614	0	183	0	0	0	0	797	2,215
Naphtha-Type Jet Fuel	0	5,810	178	110	0	0	0	25	6,073	7,031
Kerosene-Type Jet Fuel	0	33,945	2,386	110	0	0	0	214	36,227	41,044
Kerosene	0	1,902	293	1,055	0	0	0	6	3,244	6,523
Distillate Fuel Oil	50	75,012	9,203	14,398	0	0	0	2,073	96,590	109,332
Residual Fuel Oil	0	26,749	17,327	-1,163	0	0	0	4,659	38,254	39,303
Naphtha < 400 Deg. for Petro. Feed Use	0	3,313	2,543	13	0	0	0	160	5,709	2,150
Other Oils > 400 Deg. for Petro. Feed Use	0	8,062	235	335	0	0	0	661	7,971	1,384
Special Naphthas	0	1,959	605	-43	0	0	0	17	2,504	3,584
Lubricants	0	5,001	385	738	0	0	0	750	5,374	12,953
Waxes	0	533	62	-21	0	0	0	41	533	809
Petroleum Coke	0	15,172	46	-109	0	0	0	6,723	8,386	7,177
Asphalt and Road Oil	0	8,902	907	-2,111	0	0	0	25	7,673	23,828
Still Gas	0	18,968	0	0	0	0	0	0	18,968	0
Miscellaneous Products	83	1,812	11	-155	0	0	0	28	1,723	2,934
Total	**314,067**	**425,118**	**179,612**	**6,680**	**4,673**	**17**	**406,709**	**22,316**	**501,109**	**1,556,690**

[1] Unaccounted for crude oil is a balancing item
(s) = Less than 500 barrels
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	**254,945**	**0**	**123,964**	**1,498**	**3,600**	**5**	**375,364**	**7,409**	**1,229**	**850,940**
Natural Gas Liquids and LRGs	**47,557**	**13,907**	**5,102**	**-4,136**	**0**	**0**	**12,713**	**1,157**	**48,560**	**92,705**
Pentanes Plus	8,200	0	626	-497	0	0	4,494	72	3,763	7,329
Liquefied Petroleum Gases	39,357	13,907	4,476	-3,639	0	0	8,219	1,085	44,797	85,376
Ethane	15,579	329	167	-1,084	0	0	53	145	14,794	20,122
Propane	15,243	9,691	1,822	-534	0	0	240	563	25,419	45,183
Normal Butane	4,157	3,674	1,492	-1,808	0	0	3,797	306	3,413	13,109
Isobutane	4,378	213	995	-213	0	0	4,129	72	1,172	6,962
Other Liquids	**1,549**	**0**	**10,258**	**4,542**	**0**	**0**	**21,678**	**0**	**-5,329**	**145,904**
Other Hydrocarbons and Alcohol	1,549	0	0	69	0	0	1,618	0	0	434
Unfinished Oils	0	0	9,348	2,184	0	0	15,831	0	-4,299	104,478
Motor Gasoline Blending Components	0	0	910	2,319	0	0	4,259	0	-1,030	40,761
Aviation Gasoline Blending Components	0	0	0	-30	0	0	-30	0	0	231
Finished Petroleum Products	**131**	**415,114**	**38,011**	**15,539**	**0**	**0**	**0**	**17,549**	**451,246**	**449,698**
Finished Motor Gasoline	10	205,483	11,213	3,981	0	0	0	1,266	219,421	200,989
Finished Leaded Motor Gasoline	9	51,376	349	5,665	0	0	0	131	57,268	59,409
Finished Unleaded Motor Gasoline	1	154,107	10,864	-1,684	0	0	0	1,136	162,152	141,580
Finished Aviation Gasoline	0	542	4	264	0	0	0	0	810	1,951
Naphtha-Type Jet Fuel	0	6,052	76	-152	0	0	0	(s)	5,976	7,183
Kerosene-Type Jet Fuel	0	31,554	1,872	1,067	0	0	0	121	34,372	39,977
Kerosene	0	1,377	258	-328	0	0	0	8	1,299	6,851
Distillate Fuel Oil	44	76,541	5,745	8,994	0	0	0	1,588	89,736	100,338
Residual Fuel Oil	0	24,940	14,273	3,413	0	0	0	7,160	35,466	35,890
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,534	1,857	-11	0	0	0	82	5,298	2,161
Other Oils > 400 Deg. for Petro. Feed. Use	0	8,972	513	-302	0	0	0	175	9,008	1,686
Special Naphthas	0	1,565	617	-13	0	0	0	289	1,880	3,597
Lubricants	0	5,170	415	498	0	0	0	671	5,412	12,455
Waxes	0	534	27	-20	0	0	0	54	487	829
Petroleum Coke	0	14,869	57	-564	0	0	0	6,024	8,338	7,741
Asphalt and Road Oil	0	12,044	1,060	-1,336	0	0	0	87	11,681	25,164
Still Gas	0	20,053	0	0	0	0	0	0	20,053	0
Miscellaneous Products	77	1,884	24	48	0	0	0	22	2,011	2,886
Total	**304,182**	**429,021**	**177,335**	**17,443**	**3,600**	**5**	**409,755**	**26,115**	**495,706**	**1,539,247**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**258,426**	**0**	**134,549**	**1,108**	**1,591**	**11**	**392,228**	**2,125**	**1,310**	**849,832**
Natural Gas Liquids and LRGs	**49,014**	**13,699**	**4,547**	**-9,192**	**0**	**0**	**13,290**	**1,120**	**43,658**	**101,897**
Pentanes Plus	9,024	0	130	-404	0	0	4,941	71	3,738	7,733
Liquefied Petroleum Gases	39,990	13,699	4,417	-8,788	0	0	8,349	1,049	39,919	94,164
Ethane	15,395	393	194	-1,972	0	0	48	142	13,820	22,094
Propane	15,262	9,717	2,075	-4,930	0	0	268	650	21,205	50,113
Normal Butane	4,861	3,344	1,289	-617	0	0	3,857	186	4,834	13,726
Isobutane	4,472	245	859	-1,269	0	0	4,176	71	61	8,231
Other Liquids	**1,718**	**0**	**9,729**	**4,117**	**0**	**0**	**23,375**	**0**	**-7,811**	**141,787**
Other Hydrocarbons and Alcohol	1,718	0	0	-86	0	0	1,632	0	0	520
Unfinished Oils	0	0	8,745	2,480	0	0	16,927	0	-5,702	101,998
Motor Gasoline Blending Components	0	0	984	1,764	0	0	4,829	0	-2,081	38,997
Aviation Gasoline Blending Components	0	0	0	-41	0	0	-13	0	-28	272
Finished Petroleum Products	**136**	**436,014**	**39,427**	**1,468**	**0**	**0**	**0**	**17,395**	**459,649**	**448,230**
Finished Motor Gasoline	10	216,709	10,970	5,078	0	0	0	1,494	231,273	195,911
Finished Leaded Motor Gasoline	9	56,249	689	1,858	0	0	0	180	58,625	57,551
Finished Unleaded Motor Gasoline	1	160,460	10,281	3,220	0	0	0	1,314	172,648	138,360
Finished Aviation Gasoline	0	784	2	148	0	0	0	0	934	1,803
Naphtha-Type Jet Fuel	0	6,685	72	-895	0	0	0	14	5,848	8,078
Kerosene-Type Jet Fuel	0	32,081	2,002	700	0	0	0	117	34,665	39,277
Kerosene	0	1,184	81	234	0	0	0	7	1,492	6,617
Distillate Fuel Oil	47	79,406	6,288	-948	0	0	0	1,595	83,198	101,286
Residual Fuel Oil	0	25,190	15,642	-4,481	0	0	0	4,454	31,897	40,371
Naphtha < 400 Deg. for Petro. Feed Use	0	3,932	1,995	65	0	0	0	81	5,911	2,096
Other Oils > 400 Deg. for Petro. Feed Use	0	10,045	0	-258	0	0	0	769	9,018	1,944
Special Naphthas	0	1,704	880	210	0	0	0	25	2,769	3,387
Lubricants	0	4,923	293	333	0	0	0	778	4,771	12,122
Waxes	0	439	40	32	0	0	0	31	480	797
Petroleum Coke	0	15,433	0	325	0	0	0	7,950	7,808	7,416
Asphalt and Road Oil	0	14,718	1,113	803	0	0	0	35	16,599	24,361
Still Gas	0	20,847	0	0	0	0	0	0	20,847	0
Miscellaneous Products	79	1,934	49	122	0	0	0	46	2,138	2,764
Total	**309,294**	**449,713**	**188,251**	**-2,499**	**1,591**	**11**	**428,893**	**20,640**	**496,806**	**1,541,746**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	**248,356**	**0**	**144,197**	**-4,953**	**13,007**	**4**	**396,048**	**3,468**	**1,087**	**854,785**
Natural Gas Liquids and LRGs	**47,221**	**13,819**	**3,943**	**-6,077**	**0**	**0**	**12,146**	**663**	**46,097**	**107,974**
Pentanes Plus	9,075	0	365	-831	0	0	4,509	3	4,097	8,564
Liquefied Petroleum Gases	38,146	13,819	3,578	-5,246	0	0	7,637	660	41,999	99,410
Ethane	14,663	465	143	-311	0	0	51	6	14,903	22,405
Propane	14,559	9,465	1,353	-3,717	0	0	260	479	20,921	53,830
Normal Butane	4,453	3,519	1,249	-2,454	0	0	3,112	173	3,482	16,180
Isobutane	4,471	370	833	1,236	0	0	4,214	3	2,693	6,995
Other Liquids	**1,485**	**0**	**13,721**	**949**	**0**	**0**	**22,372**	**0**	**-6,217**	**140,838**
Other Hydrocarbons and Alcohol	1,485	0	0	135	0	0	1,620	0	0	385
Unfinished Oils	0	0	12,906	-394	0	0	16,309	0	-3,797	102,392
Motor Gasoline Blending Components	0	0	815	1,145	0	0	4,380	0	-2,420	37,852
Aviation Gasoline Blending Components	0	0	0	63	0	0	63	0	0	209
Finished Petroleum Products	**131**	**434,674**	**41,201**	**3,867**	**0**	**0**	**0**	**15,947**	**463,925**	**444,363**
Finished Motor Gasoline	10	212,674	11,539	3,342	0	0	0	1,381	226,184	192,569
Finished Leaded Motor Gasoline	9	53,104	1,109	1,905	0	0	0	298	55,829	55,646
Finished Unleaded Motor Gasoline	1	159,570	10,430	1,437	0	0	0	1,083	170,355	136,923
Finished Aviation Gasoline	0	1,046	5	-175	0	0	0	0	876	1,978
Naphtha-Type Jet Fuel	0	6,128	55	816	0	0	0	0	6,999	7,262
Kerosene-Type Jet Fuel	0	31,444	1,915	600	0	0	0	146	33,813	38,677
Kerosene	0	1,151	132	528	0	0	0	7	1,804	6,089
Distillate Fuel Oil	45	80,621	7,963	-3,105	0	0	0	1,834	83,690	104,391
Residual Fuel Oil	0	25,922	14,427	-985	0	0	0	3,140	36,224	41,356
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,917	1,473	-166	0	0	0	82	5,142	2,262
Other Oils > 400 Deg. for Petro. Feed. Use	0	9,189	783	44	0	0	0	793	9,223	1,900
Special Naphthas	0	1,682	866	108	0	0	0	17	2,639	3,279
Lubricants	0	5,282	524	447	0	0	0	724	5,529	11,675
Waxes	0	446	48	69	0	0	0	32	531	728
Petroleum Coke	0	15,606	37	880	0	0	0	7,733	8,790	6,536
Asphalt and Road Oil	0	17,135	1,357	1,618	0	0	0	6	20,104	22,743
Still Gas	0	20,517	0	0	0	0	0	0	20,517	0
Miscellaneous Products	76	1,914	77	-154	0	0	0	55	1,858	2,918
Total	**297,193**	**448,493**	**203,061**	**-6,214**	**13,007**	**4**	**430,566**	**20,078**	**504,892**	**1,547,960**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**255,782**	**0**	**164,131**	**1,023**	**999**	**4**	**416,334**	**4,616**	**981**	**853,762**
Natural Gas Liquids and LRGs	**48,919**	**15,252**	**6,236**	**-4,787**	**0**	**0**	**13,112**	**1,006**	**51,502**	**112,761**
Pentanes Plus	9,489	0	347	-291	0	0	5,535	77	3,933	8,855
Liquefied Petroleum Gases	39,430	15,252	5,889	-4,496	0	0	7,577	929	47,568	103,906
Ethane	14,850	57	15	191	0	0	59	155	14,899	22,214
Propane	15,381	10,632	2,639	-1,673	0	0	270	516	26,193	55,503
Normal Butane	4,591	4,264	1,942	-2,980	0	0	2,638	181	4,998	19,160
Isobutane	4,608	299	1,292	-34	0	0	4,610	77	1,478	7,029
Other Liquids	**1,924**	**0**	**9,752**	**2,747**	**0**	**0**	**20,343**	**0**	**-5,920**	**138,091**
Other Hydrocarbons and Alcohol	1,924	0	0	41	0	0	1,965	0	0	344
Unfinished Oils	0	0	7,786	2,371	0	0	16,134	0	-5,977	100,021
Motor Gasoline Blending Components	0	0	1,966	377	0	0	2,286	0	57	37,475
Aviation Gasoline Blending Components	0	0	0	-42	0	0	-42	0	0	251
Finished Petroleum Products	**118**	**453,683**	**55,100**	**-9,499**	**0**	**0**	**0**	**15,463**	**483,939**	**453,862**
Finished Motor Gasoline	9	218,317	14,011	3,691	0	0	0	1,010	235,018	188,878
Finished Leaded Motor Gasoline	8	54,148	2,149	926	0	0	0	159	57,072	54,720
Finished Unleaded Motor Gasoline	1	164,169	11,862	2,765	0	0	0	851	177,946	134,158
Finished Aviation Gasoline	0	872	18	10	0	0	0	0	900	1,968
Naphtha-Type Jet Fuel	0	6,862	88	9	0	0	0	(s)	6,959	7,253
Kerosene-Type Jet Fuel	0	34,901	2,168	-802	0	0	0	139	36,128	39,479
Kerosene	0	1,656	357	-423	0	0	0	5	1,585	6,512
Distillate Fuel Oil	36	83,677	11,800	-10,211	0	0	0	1,189	84,113	114,602
Residual Fuel Oil	0	27,925	22,341	-3,338	0	0	0	5,417	41,511	44,694
Naphtha < 400 Deg. for Petro. Feed. Use	0	4,068	1,819	-81	0	0	0	233	5,573	2,343
Other Oils > 400 Deg. for Petro. Feed. Use	0	9,228	0	24	0	0	0	199	9,053	1,876
Special Naphthas	0	1,725	198	-215	0	0	0	15	1,693	3,494
Lubricants	0	5,309	707	-30	0	0	0	875	5,111	11,705
Waxes	0	501	39	-1	0	0	0	28	511	729
Petroleum Coke	0	15,950	23	142	0	0	0	6,314	9,801	6,394
Asphalt and Road Oil	0	19,824	1,472	1,860	0	0	0	5	23,151	20,883
Still Gas	0	20,934	0	0	0	0	0	0	20,934	0
Miscellaneous Products	73	1,934	59	-134	0	0	0	32	1,900	3,052
Total	**306,743**	**468,935**	**235,219**	**-10,516**	**999**	**4**	**449,789**	**21,085**	**530,502**	**1,558,476**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**254,508**	**0**	**170,802**	**-10,684**	**5,487**	**1**	**414,778**	**4,380**	**954**	**864,446**
Natural Gas Liquids and LRGs	**48,577**	**14,048**	**6,178**	**-7,450**	**0**	**0**	**13,353**	**1,093**	**46,907**	**120,211**
Pentanes Plus	9,411	0	51	564	0	0	5,556	81	4,389	8,291
Liquefied Petroleum Gases	39,166	14,048	6,127	-8,014	0	0	7,797	1,012	42,518	111,920
Ethane	14,918	167	20	-673	0	0	48	162	14,222	22,887
Propane	15,053	9,871	2,527	-3,160	0	0	138	588	23,565	58,663
Normal Butane	4,604	3,537	2,148	-3,503	0	0	2,993	182	3,611	22,663
Isobutane	4,591	473	1,432	-678	0	0	4,618	81	1,119	7,707
Other Liquids	**1,909**	**0**	**11,498**	**-4,629**	**0**	**0**	**15,941**	**0**	**-7,163**	**142,720**
Other Hydrocarbons and Alcohol	1,909	0	0	-54	0	0	1,855	0	0	398
Unfinished Oils	0	0	8,448	-3,557	0	0	11,137	0	-6,246	103,578
Motor Gasoline Blending Components	0	0	3,050	-997	0	0	2,970	0	-917	38,472
Aviation Gasoline Blending Components	0	0	0	-21	0	0	-21	0	0	272
Finished Petroleum Products	**124**	**449,210**	**42,588**	**-10,766**	**0**	**0**	**0**	**15,113**	**466,043**	**464,628**
Finished Motor Gasoline	10	214,902	12,269	891	0	0	0	585	227,487	187,987
Finished Leaded Motor Gasoline	9	50,956	696	884	0	0	0	401	52,144	53,836
Finished Unleaded Motor Gasoline	1	163,946	11,573	7	0	0	0	184	175,343	134,151
Finished Aviation Gasoline	0	940	4	-8	0	0	0	0	936	1,976
Naphtha-Type Jet Fuel	0	6,458	85	272	0	0	0	61	6,754	6,981
Kerosene-Type Jet Fuel	0	36,916	1,597	-1,283	0	0	0	74	37,156	40,762
Kerosene	0	2,038	545	-543	0	0	0	30	2,010	7,055
Distillate Fuel Oil	40	83,831	6,882	-10,133	0	0	0	1,466	79,154	124,735
Residual Fuel Oil	0	27,332	15,881	-996	0	0	0	5,750	36,467	45,690
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,786	2,077	-253	0	0	0	116	5,494	2,596
Other Oils > 400 Deg. for Petro. Feed. Use	0	8,674	0	-86	0	0	0	638	7,950	1,962
Special Naphthas	0	1,705	1,102	-48	0	0	0	121	2,638	3,542
Lubricants	0	5,204	405	-195	0	0	0	686	4,728	11,900
Waxes	0	461	51	16	0	0	0	29	499	713
Petroleum Coke	0	15,688	23	281	0	0	0	5,505	10,487	6,113
Asphalt and Road Oil	0	19,188	1,611	1,198	0	0	0	6	21,991	19,685
Still Gas	0	20,168	0	0	0	0	0	0	20,168	0
Miscellaneous Products	74	1,919	56	121	0	0	0	46	2,124	2,931
Total	**305,118**	**463,258**	**231,066**	**-33,529**	**5,487**	**1**	**444,072**	**20,586**	**506,741**	**1,592,005**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**246,163**	**0**	**153,312**	**-6,608**	**6,500**	**6**	**395,051**	**3,478**	**832**	**871,054**
Natural Gas Liquids and LRGs	**47,320**	**13,709**	**8,664**	**-2,557**	**0**	**0**	**12,782**	**1,739**	**52,616**	**122,768**
Pentanes Plus	8,937	0	30	-130	0	0	4,798	70	3,969	8,421
Liquefied Petroleum Gases	38,383	13,709	8,634	-2,427	0	0	7,984	1,668	48,647	114,347
Ethane	14,590	177	3	-651	0	0	39	141	13,939	23,538
Propane	14,807	9,799	4,331	1,839	0	0	271	1,274	29,231	56,824
Normal Butane	4,438	3,249	2,584	-1,829	0	0	3,642	183	4,617	24,492
Isobutane	4,548	484	1,717	-1,786	0	0	4,032	70	860	9,493
Other Liquids	**1,921**	**0**	**9,558**	**762**	**0**	**0**	**22,282**	**0**	**-10,041**	**141,958**
Other Hydrocarbons and Alcohol	1,921	0	0	95	0	0	2,016	0	0	303
Unfinished Oils	0	0	8,179	594	0	0	15,789	0	-7,016	102,984
Motor Gasoline Blending Components	0	0	1,379	14	0	0	4,418	0	-3,025	38,458
Aviation Gasoline Blending Components	0	0	0	59	0	0	59	0	0	213
Finished Petroleum Products	**130**	**436,701**	**43,804**	**-5,297**	**0**	**0**	**0**	**18,649**	**456,690**	**469,925**
Finished Motor Gasoline	11	207,615	12,636	-3,203	0	0	0	903	216,156	191,190
Finished Leaded Motor Gasoline	10	49,909	1,530	-1,189	0	0	0	197	50,063	55,025
Finished Unleaded Motor Gasoline	1	157,706	11,106	-2,014	0	0	0	706	166,093	136,165
Finished Aviation Gasoline	0	980	0	-238	0	0	0	0	742	2,214
Naphtha-Type Jet Fuel	0	6,120	62	475	0	0	0	24	6,633	6,506
Kerosene-Type Jet Fuel	0	35,697	2,438	-2,922	0	0	0	1,029	34,184	43,684
Kerosene	0	2,707	403	-934	0	0	0	7	2,169	7,989
Distillate Fuel Oil	34	82,401	6,646	-2,027	0	0	0	1,924	85,130	126,762
Residual Fuel Oil	0	27,127	15,792	1,273	0	0	0	5,298	38,894	44,417
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,665	2,562	392	0	0	0	95	6,524	2,204
Other Oils > 400 Deg. for Petro Feed. Use	0	7,614	0	397	0	0	0	646	7,365	1,565
Special Naphthas	0	1,909	966	-116	0	0	0	23	2,736	3,658
Lubricants	0	5,126	482	-269	0	0	0	633	4,706	12,169
Waxes	0	525	45	-38	0	0	0	34	498	751
Petroleum Coke	0	15,233	43	475	0	0	0	7,992	7,759	5,638
Asphalt and Road Oil	0	18,155	1,643	1,377	0	0	0	7	21,168	18,308
Still Gas	0	19,875	0	0	0	0	0	0	19,875	0
Miscellaneous Products	85	1,952	86	61	0	0	0	33	2,151	2,870
Total	**295,534**	**450,410**	**215,339**	**-13,700**	**6,500**	**6**	**430,115**	**23,865**	**500,097**	**1,605,705**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**259,272**	**0**	**159,390**	**-20,492**	**-79**	**10**	**394,712**	**2,592**	**777**	**891,546**
Natural Gas Liquids and LRGs	**49,549**	**13,688**	**7,473**	**2,395**	**0**	**0**	**14,553**	**714**	**57,839**	**120,373**
Pentanes Plus	9,434	0	250	553	0	0	5,433	2	4,802	7,868
Liquefied Petroleum Gases	40,115	13,688	7,223	1,842	0	0	9,120	711	53,037	112,505
Ethane	15,284	123	6	-724	0	0	45	5	14,640	24,262
Propane	15,645	10,194	4,222	2,361	0	0	250	512	31,660	54,463
Normal Butane	4,476	2,947	1,799	847	0	0	4,931	192	4,945	23,645
Isobutane	4,710	424	1,196	-642	0	0	3,894	2	1,792	10,135
Other Liquids	**2,191**	**0**	**12,822**	**222**	**0**	**0**	**24,666**	**0**	**-9,431**	**141,736**
Other Hydrocarbons and Alcohol	2,191	0	0	-97	0	0	2,094	0	0	400
Unfinished Oils	0	0	9,800	-1,900	0	0	15,970	0	-8,070	104,884
Motor Gasoline Blending Components	0	0	3,022	2,269	0	0	6,652	0	-1,361	36,189
Aviation Gasoline Blending Components	0	0	0	-50	0	0	-50	0	0	263
Finished Petroleum Products	**121**	**439,566**	**39,408**	**13,603**	**0**	**0**	**0**	**16,710**	**475,988**	**456,322**
Finished Motor Gasoline	11	206,711	11,037	9,357	0	0	0	650	226,466	181,833
Finished Leaded Motor Gasoline	10	47,826	807	3,416	0	0	0	297	51,762	51,609
Finished Unleaded Motor Gasoline	1	158,885	10,230	5,941	0	0	0	353	174,704	130,224
Finished Aviation Gasoline	0	793	2	-18	0	0	0	0	777	2,232
Naphtha-Type Jet Fuel	0	6,778	117	-591	0	0	0	1	6,303	7,097
Kerosene-Type Jet Fuel	0	36,870	2,444	944	0	0	0	1,086	39,172	42,740
Kerosene	0	3,665	944	-730	0	0	0	10	3,869	8,719
Distillate Fuel Oil	38	86,157	7,348	5,788	0	0	0	1,640	97,691	120,974
Residual Fuel Oil	0	27,492	12,841	-1,202	0	0	0	6,000	33,131	45,619
Naphtha < 400 Deg. for Petro. Feed. Use	0	4,075	2,820	-210	0	0	0	86	6,599	2,414
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,080	0	79	0	0	0	305	6,854	1,486
Special Naphthas	0	1,792	270	-105	0	0	0	19	1,938	3,763
Lubricants	0	5,366	382	-451	0	0	0	641	4,656	12,620
Waxes	0	471	59	39	0	0	0	35	534	712
Petroleum Coke	0	15,301	35	595	0	0	0	6,161	9,770	5,043
Asphalt and Road Oil	0	16,256	1,041	327	0	0	0	44	17,580	17,981
Still Gas	0	18,805	0	0	0	0	0	0	18,805	0
Miscellaneous Products	72	1,954	68	-219	0	0	0	31	1,844	3,089
Total	**311,133**	**453,254**	**219,093**	**-4,272**	**-79**	**10**	**433,931**	**20,016**	**525,173**	**1,609,977**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, November 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**251,915**	**0**	**150,389**	**-10,638**	**3,439**	**5**	**389,435**	**4,907**	**758**	**902,184**
Natural Gas Liquids and LRGs	**48,967**	**13,061**	**7,299**	**4,197**	**0**	**0**	**15,721**	**1,106**	**56,696**	**116,176**
Pentanes Plus	9,128	0	316	318	0	0	5,051	67	4,644	7,550
Liquefied Petroleum Gases	39,839	13,061	6,983	3,879	0	0	10,670	1,039	52,053	108,626
Ethane	15,401	253	10	664	0	0	64	135	16,129	23,598
Propane	15,479	10,312	3,660	579	0	0	308	585	29,136	53,884
Normal Butane	4,725	2,197	1,988	2,709	0	0	6,556	252	4,811	20,936
Isobutane	4,234	299	1,325	-73	0	0	3,742	67	1,976	10,208
Other Liquids	**2,328**	**0**	**10,238**	**1,920**	**0**	**0**	**24,200**	**0**	**-9,714**	**139,816**
Other Hydrocarbons and Alcohol	2,328	0	0	-89	0	0	2,239	0	0	489
Unfinished Oils	0	0	8,310	2,947	0	0	18,358	0	-7,101	101,937
Motor Gasoline Blending Components	0	0	1,928	-932	0	0	3,609	0	-2,613	37,121
Aviation Gasoline Blending Components	0	0	0	-6	0	0	-6	0	0	269
Finished Petroleum Products	**136**	**434,849**	**44,106**	**-20,450**	**0**	**0**	**0**	**16,091**	**442,550**	**476,772**
Finished Motor Gasoline	10	207,212	14,516	-6,236	0	0	0	962	214,540	188,069
Finished Leaded Motor Gasoline	9	46,648	2,256	-1,895	0	0	0	152	46,866	53,504
Finished Unleaded Motor Gasoline	1	160,564	12,260	-4,341	0	0	0	810	167,674	134,565
Finished Aviation Gasoline	0	482	2	67	0	0	0	0	551	2,165
Naphtha-Type Jet Fuel	0	6,519	110	54	0	0	0	53	6,630	7,043
Kerosene-Type Jet Fuel	0	35,126	1,539	-1,197	0	0	0	1,336	34,132	43,937
Kerosene	0	3,501	364	-551	0	0	0	23	3,291	9,270
Distillate Fuel Oil	46	91,012	5,624	-7,030	0	0	0	1,686	87,966	128,004
Residual Fuel Oil	0	27,847	17,025	-4,356	0	0	0	4,371	36,145	49,975
Naphtha < 400 Deg. for Petro. Feed. Use	0	2,900	2,879	-73	0	0	0	90	5,616	2,487
Other Oils > 400 Deg. for Petro. Feed Use	0	6,123	0	-304	0	0	0	627	5,192	1,790
Special Naphthas	0	1,766	436	100	0	0	0	98	2,204	3,663
Lubricants	0	5,188	412	-1,028	0	0	0	663	3,909	13,648
Waxes	0	543	31	-64	0	0	0	32	478	776
Petroleum Coke	0	15,791	52	-317	0	0	0	6,024	9,502	5,360
Asphalt and Road Oil	0	10,551	1,044	1,084	0	0	0	81	12,598	16,897
Still Gas	0	18,396	0	0	0	0	0	0	18,396	0
Miscellaneous Products	80	1,892	72	-599	0	0	0	45	1,400	3,688
Total	**303,346**	**447,910**	**212,031**	**-24,971**	**3,439**	**5**	**429,356**	**22,105**	**490,290**	**1,634,948**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**257,844**	**0**	**143,825**	**12,541**	**3,133**	**2**	**409,568**	**6,809**	**964**	**889,643**
Natural Gas Liquids and LRGs	**50,116**	**13,448**	**7,047**	**12,057**	**0**	**0**	**17,403**	**1,816**	**63,449**	**104,119**
Pentanes Plus	9,221	0	427	525	0	0	5,156	68	4,949	7,025
Liquefied Petroleum Gases	40,895	13,448	6,620	11,532	0	0	12,247	1,749	58,499	97,094
Ethane	15,079	301	79	1,337	0	0	57	135	16,604	22,261
Propane	15,957	10,436	2,834	6,092	0	0	273	1,277	33,769	47,792
Normal Butane	5,429	2,484	2,224	4,394	0	0	8,005	269	6,257	16,542
Isobutane	4,430	227	1,483	-291	0	0	3,912	68	1,869	10,499
Other Liquids	**1,950**	**0**	**12,417**	**8,576**	**0**	**0**	**28,651**	**0**	**-5,708**	**131,240**
Other Hydrocarbons and Alcohol	1,950	0	0	62	0	0	2,012	0	0	427
Unfinished Oils	0	0	10,399	8,752	0	0	23,242	0	-4,091	93,185
Motor Gasoline Blending Components	0	0	2,018	-251	0	0	3,353	0	-1,586	37,372
Aviation Gasoline Blending Components	0	0	0	13	0	0	44	0	-31	256
Finished Petroleum Products	**134**	**463,231**	**48,550**	**-5,677**	**0**	**0**	**0**	**24,152**	**482,086**	**482,449**
Finished Motor Gasoline	10	217,443	9,905	-742	0	0	0	1,828	224,788	188,811
Finished Leaded Motor Gasoline	9	46,591	852	387	0	0	0	202	47,637	53,117
Finished Unleaded Motor Gasoline	1	170,852	9,053	-1,129	0	0	0	1,627	177,150	135,694
Finished Aviation Gasoline	0	672	2	-166	0	0	0	0	508	2,331
Naphtha-Type Jet Fuel	0	6,380	76	-913	0	0	0	120	5,423	7,956
Kerosene-Type Jet Fuel	0	38,220	2,027	1,964	0	0	0	2,287	39,924	41,973
Kerosene	0	3,330	912	823	0	0	0	322	4,743	8,447
Distillate Fuel Oil	42	100,450	11,705	-6,481	0	0	0	2,859	102,857	134,485
Residual Fuel Oil	0	31,041	20,155	2,565	0	0	0	9,292	44,469	47,410
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,343	2,426	150	0	0	0	225	5,694	2,337
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,350	0	189	0	0	0	248	7,291	1,601
Special Naphthas	0	1,636	240	9	0	0	0	117	1,768	3,654
Lubricants	0	4,840	411	377	0	0	0	668	4,960	13,271
Waxes	0	535	28	-7	0	0	0	144	412	783
Petroleum Coke	0	16,920	67	-1,390	0	0	0	5,982	9,615	6,750
Asphalt and Road Oil	0	8,519	527	-1,902	0	0	0	22	7,122	18,799
Still Gas	0	20,362	0	0	0	0	0	0	20,362	0
Miscellaneous Products	82	2,190	69	-153	0	0	0	39	2,149	3,841
Total	**310,044**	**476,679**	**211,838**	**27,497**	**3,133**	**2**	**455,622**	**32,777**	**540,790**	**1,607,451**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,480**	**0**	**4,385**	**-166**	**-5**	**1**	**12,570**	**84**	**41**
Natural Gas Liquids and LRGs	**1,578**	**436**	**203**	**502**	**0**	**0**	**576**	**46**	**2,097**
Pentanes Plus	263	0	20	2	0	0	156	2	126
Liquefied Petroleum Gases	1,315	436	183	500	0	0	419	43	1,971
Ethane	512	12	4	-3	0	0	2	5	519
Propane	522	337	79	347	0	0	5	27	1,253
Normal Butane	159	78	60	133	0	0	271	10	149
Isobutane	122	9	40	23	0	0	142	2	50
Other Liquids	**76**	**0**	**271**	**-39**	**0**	**0**	**502**	**0**	**-195**
Other Hydrocarbons and Alcohol	76	0	0	-1	0	0	75	0	0
Unfinished Oils	0	0	190	17	0	0	295	0	-89
Motor Gasoline Blending Components	0	0	81	-55	0	0	134	0	-107
Aviation Gasoline Blending Components	0	0	0	-1	0	0	-1	0	1
Finished Petroleum Products	**5**	**13,903**	**1,494**	**-86**	**0**	**0**	**0**	**573**	**14,741**
Finished Motor Gasoline	(s)	6,714	393	-528	0	0	0	44	6,535
Finished Leaded Motor Gasoline	(s)	1,778	37	-80	0	0	0	22	1,713
Finished Unleaded Motor Gasoline	(s)	4,936	356	-448	0	0	0	23	4,822
Finished Aviation Gasoline	0	24	1	-5	0	0	0	0	19
Naphtha-Type Jet Fuel	0	174	6	-18	0	0	0	2	159
Kerosene-Type Jet Fuel	0	1,192	37	18	0	0	0	45	1,202
Kerosene	0	128	33	-4	0	0	0	(s)	157
Distillate Fuel Oil	2	2,758	222	444	0	0	0	115	3,310
Residual Fuel Oil	0	920	701	81	0	0	0	198	1,504
Naphtha < 400 Deg. for Petro. Feed Use	0	84	47	1	0	0	0	2	129
Other Oils > 400 Deg. for Petro. Feed Use	0	259	0	3	0	0	0	15	247
Special Naphthas	0	60	12	6	0	0	0	(s)	77
Lubricants	0	163	13	-3	0	0	0	17	156
Waxes	0	14	1	1	0	0	0	1	16
Petroleum Coke	0	521	1	-27	0	0	0	132	363
Asphalt and Road Oil	0	214	26	-55	0	0	0	(s)	185
Still Gas	0	611	0	0	0	0	0	0	611
Miscellaneous Products	3	67	2	(s)	0	0	0	1	71
Total	**10,139**	**14,339**	**6,353**	**210**	**-5**	**1**	**13,648**	**703**	**16,684**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures. See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,389**	**0**	**3,866**	**-22**	**382**	**(s)**	**12,290**	**284**	**41**
Natural Gas Liquids and LRGs	**1,613**	**422**	**215**	**188**	**0**	**0**	**490**	**40**	**1,908**
Pentanes Plus	273	0	14	-17	0	0	149	2	119
Liquefied Petroleum Gases	1,340	422	201	205	0	0	341	38	1,789
Ethane	522	15	5	-68	0	0	1	4	468
Propane	512	311	83	204	0	0	12	20	1,078
Normal Butane	186	84	68	35	0	0	206	11	156
Isobutane	120	12	45	33	0	0	122	2	86
Other Liquids	**66**	**0**	**373**	**-400**	**0**	**0**	**202**	**0**	**-163**
Other Hydrocarbons and Alcohol	66	0	0	1	0	0	67	0	0
Unfinished Oils	0	0	311	-292	0	0	83	0	-64
Motor Gasoline Blending Components	0	0	63	-108	0	0	56	0	-100
Aviation Gasoline Blending Components	0	0	0	-1	0	0	-3	0	1
Finished Petroleum Products	**5**	**13,199**	**1,529**	**1,043**	**0**	**0**	**0**	**654**	**15,123**
Finished Motor Gasoline	(s)	6,365	309	144	0	0	0	22	6,796
Finished Leaded Motor Gasoline	(s)	1,655	16	73	0	0	0	16	1,728
Finished Unleaded Motor Gasoline	(s)	4,710	293	71	0	0	0	6	5,068
Finished Aviation Gasoline	0	22	1	-1	0	0	0	0	22
Naphtha-Type Jet Fuel	0	194	3	18	0	0	0	(s)	214
Kerosene-Type Jet Fuel	0	1,135	64	34	0	0	0	20	1,213
Kerosene	0	79	36	33	0	0	0	(s)	148
Distillate Fuel Oil	2	2,554	253	629	0	0	0	93	3,345
Residual Fuel Oil	0	825	668	243	0	0	0	221	1,515
Naphtha < 400 Deg. for Petro. Feed. Use	0	99	73	-1	0	0	0	3	169
Other Oils > 400 Deg. for Petro. Feed. Use	0	273	50	(s)	0	0	0	11	312
Special Naphthas	0	58	27	1	0	0	0	1	86
Lubricants	0	158	16	20	0	0	0	25	168
Waxes	0	16	2	(s)	0	0	0	3	16
Petroleum Coke	0	529	1	-7	0	0	0	253	269
Asphalt and Road Oil	0	233	24	-82	0	0	0	(s)	175
Still Gas	0	595	0	0	0	0	0	0	595
Miscellaneous Products	3	64	(s)	13	0	0	0	2	78
Total	**10,073**	**13,620**	**5,984**	**809**	**382**	**(s)**	**12,982**	**977**	**16,908**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,464**	**0**	**3,779**	**-125**	**151**	**1**	**12,081**	**150**	**39**
Natural Gas Liquids and LRGs	**1,593**	**444**	**145**	**5**	**0**	**0**	**431**	**54**	**1,701**
Pentanes Plus	275	0	13	15	0	0	150	2	151
Liquefied Petroleum Gases	1,318	444	132	-10	0	0	282	52	1,550
Ethane	509	14	1	-53	0	0	2	5	464
Propane	505	301	59	56	0	0	8	35	876
Normal Butane	181	121	43	-17	0	0	151	9	167
Isobutane	124	9	29	5	0	0	120	2	43
Other Liquids	**69**	**0**	**403**	**-147**	**0**	**0**	**608**	**0**	**-282**
Other Hydrocarbons and Alcohol	69	0	0	-3	0	0	66	0	0
Unfinished Oils	0	0	348	-161	0	0	362	0	-174
Motor Gasoline Blending Components	0	0	55	14	0	0	177	0	-108
Aviation Gasoline Blending Components	0	0	0	3	0	0	3	0	(s)
Finished Petroleum Products	**5**	**13,270**	**1,467**	**482**	**0**	**0**	**0**	**516**	**14,707**
Finished Motor Gasoline	(s)	6,568	364	51	0	0	0	20	6,964
Finished Leaded Motor Gasoline	(s)	1,626	35	116	0	0	0	6	1,771
Finished Unleaded Motor Gasoline	(s)	4,942	329	-64	0	0	0	14	5,193
Finished Aviation Gasoline	0	20	0	6	0	0	0	0	26
Naphtha-Type Jet Fuel	0	187	6	4	0	0	0	1	196
Kerosene-Type Jet Fuel	0	1,095	77	4	0	0	0	7	1,169
Kerosene	0	61	9	34	0	0	0	(s)	105
Distillate Fuel Oil	2	2,420	297	464	0	0	0	67	3,116
Residual Fuel Oil	0	863	559	-38	0	0	0	150	1,234
Naphtha < 400 Deg. for Petro. Feed Use	0	107	82	(s)	0	0	0	5	184
Other Oils > 400 Deg. for Petro. Feed Use	0	260	8	11	0	0	0	21	257
Special Naphthas	0	63	20	-1	0	0	0	1	81
Lubricants	0	161	12	24	0	0	0	24	173
Waxes	0	17	2	-1	0	0	0	1	17
Petroleum Coke	0	489	1	-4	0	0	0	217	271
Asphalt and Road Oil	0	287	29	-68	0	0	0	1	248
Still Gas	0	612	0	0	0	0	0	0	612
Miscellaneous Products	3	58	(s)	-5	0	0	0	1	56
Total	**10,131**	**13,713**	**5,794**	**215**	**151**	**1**	**13,120**	**720**	**16,165**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,498**	**0**	**4,132**	**50**	**120**	**(s)**	**12,512**	**247**	**41**
Natural Gas Liquids and LRGs	**1,585**	**464**	**170**	**-138**	**0**	**0**	**424**	**39**	**1,619**
Pentanes Plus	273	0	21	-17	0	0	150	2	125
Liquefied Petroleum Gases	1,312	464	149	-121	0	0	274	36	1,493
Ethane	519	11	6	-36	0	0	2	5	493
Propane	508	323	61	-18	0	0	8	19	847
Normal Butane	139	122	50	-60	0	0	127	10	114
Isobutane	146	7	33	-7	0	0	138	2	39
Other Liquids	**52**	**0**	**342**	**151**	**0**	**0**	**723**	**0**	**-178**
Other Hydrocarbons and Alcohol	52	0	0	2	0	0	54	0	0
Unfinished Oils	0	0	312	73	0	0	528	0	-143
Motor Gasoline Blending Components	0	0	30	77	0	0	142	0	-34
Aviation Gasoline Blending Components	0	0	0	-1	0	0	-1	0	0
Finished Petroleum Products	**4**	**13,837**	**1,267**	**518**	**0**	**0**	**0**	**585**	**15,042**
Finished Motor Gasoline	(s)	6,849	374	133	0	0	0	42	7,314
Finished Leaded Motor Gasoline	(s)	1,713	12	189	0	0	0	4	1,909
Finished Unleaded Motor Gasoline	(s)	5,137	362	-56	0	0	0	38	5,405
Finished Aviation Gasoline	0	18	(s)	9	0	0	0	0	27
Naphtha-Type Jet Fuel	0	202	3	-5	0	0	0	(s)	199
Kerosene-Type Jet Fuel	0	1,052	62	36	0	0	0	4	1,146
Kerosene	0	46	9	-11	0	0	0	(s)	43
Distillate Fuel Oil	1	2,551	192	300	0	0	0	53	2,991
Residual Fuel Oil	0	831	476	114	0	0	0	239	1,182
Naphtha < 400 Deg. for Petro. Feed. Use	0	118	62	(s)	0	0	0	3	177
Other Oils > 400 Deg. for Petro. Feed. Use	0	299	17	-10	0	0	0	6	300
Special Naphthas	0	52	21	(s)	0	0	0	10	63
Lubricants	0	172	14	17	0	0	0	22	180
Waxes	0	18	1	-1	0	0	0	2	16
Petroleum Coke	0	496	2	-19	0	0	0	201	278
Asphalt and Road Oil	0	401	35	-45	0	0	0	3	389
Still Gas	0	668	0	0	0	0	0	0	668
Miscellaneous Products	3	63	1	2	0	0	0	1	67
Total	**10,139**	**14,301**	**5,911**	**581**	**120**	**(s)**	**13,659**	**870**	**16,524**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,336**	**0**	**4,340**	**36**	**51**	**(s)**	**12,653**	**69**	**42**
Natural Gas Liquids and LRGs	**1,581**	**442**	**147**	**-297**	**0**	**0**	**429**	**36**	**1,408**
Pentanes Plus	291	0	4	-13	0	0	159	2	121
Liquefied Petroleum Gases	1,290	442	142	-283	0	0	269	34	1,288
Ethane	497	13	6	-64	0	0	2	5	446
Propane	492	313	67	-159	0	0	9	21	684
Normal Butane	157	108	42	-20	0	0	124	6	156
Isobutane	144	8	28	-41	0	0	135	2	2
Other Liquids	**55**	**0**	**314**	**133**	**0**	**0**	**754**	**0**	**-252**
Other Hydrocarbons and Alcohol	55	0	0	-3	0	0	53	0	0
Unfinished Oils	0	0	282	80	0	0	546	0	-184
Motor Gasoline Blending Components	0	0	32	57	0	0	156	0	-67
Aviation Gasoline Blending Components	0	0	0	-1	0	0	(s)	0	-1
Finished Petroleum Products	**4**	**14,065**	**1,272**	**47**	**0**	**0**	**0**	**561**	**14,827**
Finished Motor Gasoline	(s)	6,991	354	164	0	0	0	48	7,460
Finished Leaded Motor Gasoline	(s)	1,814	22	60	0	0	0	6	1,891
Finished Unleaded Motor Gasoline	(s)	5,176	332	104	0	0	0	42	5,569
Finished Aviation Gasoline	0	25	(s)	5	0	0	0	0	30
Naphtha-Type Jet Fuel	0	216	2	-29	0	0	0	(s)	189
Kerosene-Type Jet Fuel	0	1,035	65	23	0	0	0	4	1,118
Kerosene	0	38	3	8	0	0	0	(s)	48
Distillate Fuel Oil	2	2,561	203	-31	0	0	0	51	2,684
Residual Fuel Oil	0	813	505	-145	0	0	0	144	1,029
Naphtha < 400 Deg. for Petro. Feed. Use	0	127	64	2	0	0	0	3	191
Other Oils > 400 Deg. for Petro. Feed Use	0	324	0	-8	0	0	0	25	291
Special Naphthas	0	55	28	7	0	0	0	1	89
Lubricants	0	159	9	11	0	0	0	25	154
Waxes	0	14	1	1	0	0	0	1	15
Petroleum Coke	0	498	0	10	0	0	0	256	252
Asphalt and Road Oil	0	475	36	26	0	0	0	1	535
Still Gas	0	672	0	0	0	0	0	0	672
Miscellaneous Products	3	62	2	4	0	0	0	1	69
Total	**9,977**	**14,507**	**6,073**	**-81**	**51**	**(s)**	**13,835**	**666**	**16,026**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,279**	**0**	**4,807**	**-165**	**434**	**(s)**	**13,202**	**116**	**36**
Natural Gas Liquids and LRGs	**1,574**	**461**	**131**	**-203**	**0**	**0**	**405**	**22**	**1,537**
Pentanes Plus	303	0	12	-28	0	0	150	(s)	137
Liquefied Petroleum Gases	1,272	461	119	-175	0	0	255	22	1,400
Ethane	489	16	5	-10	0	0	2	(s)	497
Propane	485	316	45	-124	0	0	9	16	697
Normal Butane	148	117	42	-82	0	0	104	6	116
Isobutane	149	12	28	41	0	0	140	(s)	90
Other Liquids	**50**	**0**	**457**	**32**	**0**	**0**	**746**	**0**	**-207**
Other Hydrocarbons and Alcohol	50	0	0	5	0	0	54	0	0
Unfinished Oils	0	0	430	-13	0	0	544	0	-127
Motor Gasoline Blending Components	0	0	27	38	0	0	146	0	-81
Aviation Gasoline Blending Components	0	0	0	2	0	0	2	0	0
Finished Petroleum Products	**4**	**14,489**	**1,373**	**129**	**0**	**0**	**0**	**532**	**15,464**
Finished Motor Gasoline	(s)	7,089	385	111	0	0	0	46	7,539
Finished Leaded Motor Gasoline	(s)	1,770	37	64	0	0	0	10	1,861
Finished Unleaded Motor Gasoline	(s)	5,319	348	48	0	0	0	36	5,678
Finished Aviation Gasoline	0	35	(s)	-6	0	0	0	0	29
Naphtha-Type Jet Fuel	0	204	2	27	0	0	0	0	233
Kerosene-Type Jet Fuel	0	1,048	64	20	0	0	0	5	1,127
Kerosene	0	38	4	18	0	0	0	(s)	60
Distillate Fuel Oil	2	2,687	265	-104	0	0	0	61	2,790
Residual Fuel Oil	0	864	481	-33	0	0	0	105	1,207
Naphtha < 400 Deg. for Petro. Feed. Use	0	131	49	-6	0	0	0	3	171
Other Oils > 400 Deg. for Petro. Feed. Use	0	306	26	1	0	0	0	26	307
Special Naphthas	0	56	29	4	0	0	0	1	88
Lubricants	0	176	17	15	0	0	0	24	184
Waxes	0	15	2	2	0	0	0	1	18
Petroleum Coke	0	520	1	29	0	0	0	258	293
Asphalt and Road Oil	0	571	45	54	0	0	0	(s)	670
Still Gas	0	684	0	0	0	0	0	0	684
Miscellaneous Products	3	64	3	-5	0	0	0	2	62
Total	**9,906**	**14,950**	**6,769**	**-207**	**434**	**(s)**	**14,352**	**669**	**16,830**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,251**	**0**	**5,295**	**33**	**32**	**(s)**	**13,430**	**149**	**32**
Natural Gas Liquids and LRGs	**1,578**	**492**	**201**	**-154**	**0**	**0**	**423**	**32**	**1,661**
Pentanes Plus	306	0	11	-9	0	0	179	2	127
Liquefied Petroleum Gases	1,272	492	190	-145	0	0	244	30	1,534
Ethane	479	2	(s)	6	0	0	2	5	481
Propane	496	343	85	-54	0	0	9	17	845
Normal Butane	148	138	63	-96	0	0	85	6	161
Isobutane	149	10	42	-1	0	0	149	2	48
Other Liquids	**62**	**0**	**315**	**89**	**0**	**0**	**656**	**0**	**-191**
Other Hydrocarbons and Alcohol	62	0	0	1	0	0	63	0	0
Unfinished Oils	0	0	251	76	0	0	520	0	-193
Motor Gasoline Blending Components	0	0	63	12	0	0	74	0	2
Aviation Gasoline Blending Components	0	0	0	-1	0	0	-1	0	0
Finished Petroleum Products	**4**	**14,635**	**1,777**	**-306**	**0**	**0**	**0**	**499**	**15,611**
Finished Motor Gasoline	(s)	7,042	452	119	0	0	0	33	7,581
Finished Leaded Motor Gasoline	(s)	1,747	69	30	0	0	0	5	1,841
Finished Unleaded Motor Gasoline	(s)	5,296	383	89	0	0	0	27	5,740
Finished Aviation Gasoline	0	28	1	(s)	0	0	0	0	29
Naphtha-Type Jet Fuel	0	221	3	(s)	0	0	0	(s)	224
Kerosene-Type Jet Fuel	0	1,126	70	-26	0	0	0	4	1,165
Kerosene	0	53	12	-14	0	0	0	(s)	51
Distillate Fuel Oil	1	2,699	381	-329	0	0	0	38	2,713
Residual Fuel Oil	0	901	721	-108	0	0	0	175	1,339
Naphtha < 400 Deg. for Petro. Feed. Use	0	131	59	-3	0	0	0	8	180
Other Oils > 400 Deg. for Petro. Feed. Use	0	298	0	1	0	0	0	6	292
Special Naphthas	0	56	6	-7	0	0	0	(s)	55
Lubricants	0	171	23	-1	0	0	0	28	165
Waxes	0	16	1	(s)	0	0	0	1	16
Petroleum Coke	0	515	1	5	0	0	0	204	316
Asphalt and Road Oil	0	639	47	60	0	0	0	(s)	747
Still Gas	0	675	0	0	0	0	0	0	675
Miscellaneous Products	2	62	2	-4	0	0	0	1	61
Total	**9,895**	**15,127**	**7,588**	**-339**	**32**	**(s)**	**14,509**	**680**	**17,113**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,210**	**0**	**5,510**	**-345**	**177**	**(s)**	**13,380**	**141**	**31**
Natural Gas Liquids and LRGs	**1,567**	**453**	**199**	**-240**	**0**	**0**	**431**	**35**	**1,513**
Pentanes Plus	304	0	2	18	0	0	179	3	142
Liquefied Petroleum Gases	1,263	453	198	-259	0	0	252	33	1,372
Ethane	481	5	1	-22	0	0	2	5	459
Propane	486	318	82	-102	0	0	4	19	760
Normal Butane	149	114	69	-113	0	0	97	6	116
Isobutane	148	15	46	-22	0	0	149	3	36
Other Liquids	**62**	**0**	**371**	**-149**	**0**	**0**	**514**	**0**	**-231**
Other Hydrocarbons and Alcohol	62	0	0	-2	0	0	60	0	0
Unfinished Oils	0	0	273	-115	0	0	359	0	-201
Motor Gasoline Blending Components	0	0	98	-32	0	0	96	0	-30
Aviation Gasoline Blending Components	0	0	0	-1	0	0	-1	0	0
Finished Petroleum Products	**4**	**14,491**	**1,374**	**-347**	**0**	**0**	**0**	**488**	**15,034**
Finished Motor Gasoline	(s)	6,932	396	29	0	0	0	19	7,338
Finished Leaded Motor Gasoline	(s)	1,644	22	29	0	0	0	13	1,682
Finished Unleaded Motor Gasoline	(s)	5,289	373	(s)	0	0	0	6	5,656
Finished Aviation Gasoline	0	30	(s)	(s)	0	0	0	0	30
Naphtha-Type Jet Fuel	0	208	3	9	0	0	0	2	218
Kerosene-Type Jet Fuel	0	1,191	52	-41	0	0	0	2	1,199
Kerosene	0	66	18	-18	0	0	0	1	65
Distillate Fuel Oil	1	2,704	222	-327	0	0	0	47	2,553
Residual Fuel Oil	0	882	512	-32	0	0	0	185	1,176
Naphtha < 400 Deg. for Petro. Feed. Use	0	122	67	-8	0	0	0	4	177
Other Oils > 400 Deg. for Petro. Feed. Use	0	280	0	-3	0	0	0	21	256
Special Naphthas	0	55	36	-2	0	0	0	4	85
Lubricants	0	168	13	-6	0	0	0	22	153
Waxes	0	15	2	1	0	0	0	1	16
Petroleum Coke	0	506	1	9	0	0	0	178	338
Asphalt and Road Oil	0	619	52	39	0	0	0	(s)	709
Still Gas	0	651	0	0	0	0	0	0	651
Miscellaneous Products	2	62	2	4	0	0	0	1	69
Total	**9,843**	**14,944**	**7,454**	**-1,082**	**177**	**(s)**	**14,325**	**664**	**16,346**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,205**	**0**	**5,110**	**-220**	**217**	**(s)**	**13,168**	**116**	**28**
Natural Gas Liquids and LRGs	**1,577**	**457**	**289**	**-85**	**0**	**0**	**426**	**58**	**1,754**
Pentanes Plus	298	0	1	-4	0	0	160	2	132
Liquefied Petroleum Gases	1,279	457	288	-81	0	0	266	56	1,622
Ethane	486	6	(s)	-22	0	0	1	5	465
Propane	494	327	144	61	0	0	9	42	974
Normal Butane	148	108	86	-61	0	0	121	6	154
Isobutane	152	16	57	-60	0	0	134	2	29
Other Liquids	**64**	**0**	**319**	**25**	**0**	**0**	**743**	**0**	**-335**
Other Hydrocarbons and Alcohol	64	0	0	3	0	0	67	0	0
Unfinished Oils	0	0	273	20	0	0	526	0	-234
Motor Gasoline Blending Components	0	0	46	(s)	0	0	147	0	-101
Aviation Gasoline Blending Components	0	0	0	2	0	0	2	0	0
Finished Petroleum Products	**4**	**14,557**	**1,460**	**-177**	**0**	**0**	**0**	**622**	**15,223**
Finished Motor Gasoline	(s)	6,921	421	-107	0	0	0	30	7,205
Finished Leaded Motor Gasoline	(s)	1,664	51	-40	0	0	0	7	1,669
Finished Unleaded Motor Gasoline	(s)	5,257	370	-67	0	0	0	24	5,536
Finished Aviation Gasoline	0	33	0	-8	0	0	0	0	25
Naphtha-Type Jet Fuel	0	204	2	16	0	0	0	1	221
Kerosene-Type Jet Fuel	0	1,190	81	-97	0	0	0	34	1,139
Kerosene	0	90	13	-31	0	0	0	(s)	72
Distillate Fuel Oil	1	2,747	222	-68	0	0	0	64	2,838
Residual Fuel Oil	0	904	526	42	0	0	0	177	1,296
Naphtha < 400 Deg. for Petro. Feed. Use	0	122	85	13	0	0	0	3	217
Other Oils > 400 Deg for Petro Feed Use	0	254	0	13	0	0	0	22	245
Special Naphthas	0	64	32	-4	0	0	0	1	91
Lubricants	0	171	16	-9	0	0	0	21	157
Waxes	0	18	2	-1	0	0	0	1	17
Petroleum Coke	0	508	1	16	0	0	0	266	259
Asphalt and Road Oil	0	605	55	46	0	0	0	(s)	706
Still Gas	0	663	0	0	0	0	0	0	663
Miscellaneous Products	3	65	3	2	0	0	0	1	72
Total	**9,851**	**15,014**	**7,178**	**-457**	**217**	**(s)**	**14,337**	**795**	**16,670**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,364**	**0**	**5,142**	**-661**	**-3**	**(s)**	**12,733**	**84**	**25**
Natural Gas Liquids and LRGs	**1,598**	**442**	**241**	**77**	**0**	**0**	**469**	**23**	**1,866**
Pentanes Plus	304	0	8	18	0	0	175	(s)	155
Liquefied Petroleum Gases	1,294	442	233	59	0	0	294	23	1,711
Ethane	493	4	(s)	-23	0	0	1	(s)	472
Propane	505	329	136	76	0	0	8	17	1,021
Normal Butane	144	95	58	27	0	0	159	6	160
Isobutane	152	14	39	-21	0	0	126	(s)	58
Other Liquids	**71**	**0**	**414**	**7**	**0**	**0**	**796**	**0**	**-304**
Other Hydrocarbons and Alcohol	71	0	0	-3	0	0	68	0	0
Unfinished Oils	0	0	316	-61	0	0	515	0	-260
Motor Gasoline Blending Components	0	0	97	73	0	0	215	0	-44
Aviation Gasoline Blending Components	0	0	0	-2	0	0	-2	0	0
Finished Petroleum Products	**4**	**14,180**	**1,271**	**439**	**0**	**0**	**0**	**539**	**15,354**
Finished Motor Gasoline	(s)	6,668	356	302	0	0	0	21	7,305
Finished Leaded Motor Gasoline	(s)	1,543	26	110	0	0	0	10	1,670
Finished Unleaded Motor Gasoline	(s)	5,125	330	192	0	0	0	11	5,636
Finished Aviation Gasoline	0	26	(s)	-1	0	0	0	0	25
Naphtha-Type Jet Fuel	0	219	4	-19	0	0	0	(s)	203
Kerosene-Type Jet Fuel	0	1,189	79	30	0	0	0	35	1,264
Kerosene	0	118	30	-24	0	0	0	(s)	125
Distillate Fuel Oil	1	2,779	237	187	0	0	0	53	3,151
Residual Fuel Oil	0	887	414	-39	0	0	0	194	1,069
Naphtha < 400 Deg. for Petro. Feed. Use	0	131	91	-7	0	0	0	3	213
Other Oils > 400 Deg. for Petro. Feed. Use	0	228	0	3	0	0	0	10	221
Special Naphthas	0	58	9	-3	0	0	0	1	63
Lubricants	0	173	12	-15	0	0	0	21	150
Waxes	0	15	2	1	0	0	0	1	17
Petroleum Coke	0	494	1	19	0	0	0	199	315
Asphalt and Road Oil	0	524	34	11	0	0	0	1	567
Still Gas	0	607	0	0	0	0	0	0	607
Miscellaneous Products	2	63	2	-7	0	0	0	1	59
Total	**10,037**	**14,621**	**7,068**	**-138**	**-3**	**(s)**	**13,998**	**646**	**16,941**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,397**	**0**	**5,013**	**-355**	**115**	**(s)**	**12,981**	**164**	**25**
Natural Gas Liquids and LRGs	**1,632**	**435**	**243**	**140**	**0**	**0**	**524**	**37**	**1,890**
Pentanes Plus	304	0	11	11	0	0	168	2	155
Liquefied Petroleum Gases	1,328	435	233	129	0	0	356	35	1,735
Ethane	513	8	(s)	22	0	0	2	5	538
Propane	516	344	122	19	0	0	10	20	971
Normal Butane	158	73	66	90	0	0	219	8	160
Isobutane	141	10	44	-2	0	0	125	2	66
Other Liquids	**78**	**0**	**341**	**64**	**0**	**0**	**807**	**0**	**-324**
Other Hydrocarbons and Alcohol	78	0	0	-3	0	0	75	0	0
Unfinished Oils	0	0	277	98	0	0	612	0	-237
Motor Gasoline Blending Components	0	0	64	-31	0	0	120	0	-87
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	(s)	0	0
Finished Petroleum Products	**5**	**14,495**	**1,470**	**-682**	**0**	**0**	**0**	**536**	**14,752**
Finished Motor Gasoline	(s)	6,907	484	-208	0	0	0	32	7,151
Finished Leaded Motor Gasoline	(s)	1,555	75	-63	0	0	0	5	1,562
Finished Unleaded Motor Gasoline	(s)	5,352	409	-145	0	0	0	27	5,589
Finished Aviation Gasoline	0	16	(s)	2	0	0	0	0	18
Naphtha-Type Jet Fuel	0	217	4	2	0	0	0	2	221
Kerosene-Type Jet Fuel	0	1,171	51	-40	0	0	0	45	1,138
Kerosene	0	117	12	-18	0	0	0	1	110
Distillate Fuel Oil	2	3,034	187	-234	0	0	0	56	2,932
Residual Fuel Oil	0	928	568	-145	0	0	0	146	1,205
Naphtha < 400 Deg. for Petro. Feed. Use	0	97	96	-2	0	0	0	3	187
Other Oils > 400 Deg. for Petro. Feed Use	0	204	0	-10	0	0	0	21	173
Special Naphthas	0	59	15	3	0	0	0	3	73
Lubricants	0	173	14	-34	0	0	0	22	130
Waxes	0	18	1	-2	0	0	0	1	16
Petroleum Coke	0	526	2	-11	0	0	0	201	317
Asphalt and Road Oil	0	352	35	36	0	0	0	3	420
Still Gas	0	613	0	0	0	0	0	0	613
Miscellaneous Products	3	63	2	-20	0	0	0	2	47
Total	**10,112**	**14,930**	**7,068**	**-832**	**115**	**(s)**	**14,312**	**737**	**16,343**

[1] Unaccounted for crude oil is a balancing item
(s) = Less than 500 barrels per day
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,318**	**0**	**4,640**	**405**	**101**	**(s)**	**13,212**	**220**	**31**
Natural Gas Liquids and LRGs	**1,617**	**434**	**227**	**389**	**0**	**0**	**561**	**59**	**2,047**
Pentanes Plus	297	0	14	17	0	0	166	2	160
Liquefied Petroleum Gases	1,319	434	214	372	0	0	395	56	1,887
Ethane	486	10	3	43	0	0	2	4	536
Propane	515	337	91	197	0	0	9	41	1,089
Normal Butane	175	80	72	142	0	0	258	9	202
Isobutane	143	7	48	-9	0	0	126	2	60
Other Liquids	**63**	**0**	**401**	**277**	**0**	**0**	**924**	**0**	**-184**
Other Hydrocarbons and Alcohol	63	0	0	2	0	0	65	0	0
Unfinished Oils	0	0	335	282	0	0	750	0	-132
Motor Gasoline Blending Components	0	0	65	-8	0	0	108	0	-51
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	1	0	-1
Finished Petroleum Products	**4**	**14,943**	**1,566**	**-183**	**0**	**0**	**0**	**779**	**15,551**
Finished Motor Gasoline	(s)	7,014	320	-24	0	0	0	59	7,251
Finished Leaded Motor Gasoline	(s)	1,503	27	12	0	0	0	7	1,537
Finished Unleaded Motor Gasoline	(s)	5,511	292	-36	0	0	0	52	5,715
Finished Aviation Gasoline	0	22	(s)	-5	0	0	0	0	16
Naphtha-Type Jet Fuel	0	206	2	-29	0	0	0	4	175
Kerosene-Type Jet Fuel	0	1,233	65	63	0	0	0	74	1,288
Kerosene	0	107	29	27	0	0	0	10	153
Distillate Fuel Oil	1	3,240	378	-209	0	0	0	92	3,318
Residual Fuel Oil	0	1,001	650	83	0	0	0	300	1,434
Naphtha < 400 Deg. for Petro. Feed. Use	0	108	78	5	0	0	0	7	184
Other Oils > 400 Deg. for Petro. Feed. Use	0	237	0	6	0	0	0	8	235
Special Naphthas	0	53	8	(s)	0	0	0	4	57
Lubricants	0	156	13	12	0	0	0	22	160
Waxes	0	17	1	(s)	0	0	0	5	13
Petroleum Coke	0	546	2	-45	0	0	0	193	310
Asphalt and Road Oil	0	275	17	-61	0	0	0	1	230
Still Gas	0	657	0	0	0	0	0	0	657
Miscellaneous Products	3	71	2	-5	0	0	0	1	69
Total	**10,001**	**15,377**	**6,833**	**887**	**101**	**(s)**	**14,697**	**1,057**	**17,445**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,245**	**0**	**29,002**	**-18**	**1,730**	**2,104**	**0**	**34,063**	**0**	**0**	**15,526**
Natural Gas Liquids and LRGs	**836**	**1,407**	**2,067**	**920**	**0**	**4,672**	**0**	**420**	**21**	**9,461**	**3,970**
Liquefied Petroleum Gases	720	1,407	1,636	958	0	4,672	0	386	21	8,986	3,885
Pentanes Plus	116	0	431	-38	0	0	0	34	0	475	85
Other Liquids	**0**	**0**	**6,041**	**2,734**	**0**	**160**	**0**	**6,380**	**0**	**2,555**	**15,743**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	3,973	2,971	0	9	0	5,766	0	1,187	10,403
Motor Gasoline Blending Components	0	0	2,068	-237	0	151	0	614	0	1,368	5,340
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**41,821**	**40,755**	**4,062**	**0**	**84,841**	**0**	**0**	**426**	**171,054**	**183,101**
Finished Motor Gasoline	0	21,118	10,834	-8,708	0	45,233	0	0	3	68,474	68,940
Finished Leaded Motor Gasoline	0	3,596	934	-1,030	0	9,747	0	0	(s)	13,247	19,218
Finished Unleaded Motor Gasoline	0	17,522	9,900	-7,678	0	35,486	0	0	3	55,227	49,722
Finished Aviation Gasoline	0	0	0	-13	0	146	0	0	0	133	491
Naphtha-Type Jet Fuel	0	496	96	156	0	312	0	0	0	1,060	1,210
Kerosene-Type Jet Fuel	0	1,807	1,148	529	0	11,054	0	0	0	14,538	11,066
Kerosene	0	408	567	-185	0	1,328	0	0	9	2,109	3,715
Distillate Fuel Oil	0	8,885	6,196	10,045	0	24,623	0	0	3	49,746	65,299
Residual Fuel Oil	0	4,564	20,705	1,436	0	1,090	0	0	0	27,795	21,481
Naphtha and Other Oils for Petro Feed Use	0	97	156	104	0	-27	0	0	29	301	280
Special Naphthas	0	37	22	-51	0	196	0	0	4	200	1,332
Lubricants	0	550	322	112	0	638	0	0	170	1,452	3,474
Waxes	0	79	36	-16	0	10	0	0	4	105	111
Petroleum Coke	0	1,229	0	76	0	0	0	0	188	1,117	640
Asphalt and Road Oil	0	350	609	575	0	173	0	0	2	1,705	4,082
Still Gas	0	1,924	0	0	0	0	0	0	0	1,924	0
Miscellaneous Products	0	277	64	2	0	65	0	0	15	393	980
Total	**2,081**	**43,228**	**77,866**	**7,698**	**1,730**	**91,777**	**0**	**40,863**	**447**	**183,070**	**218,340**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures. See Explanatory Notes 1 and 2

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,134**	**0**	**27,188**	**-1,305**	**3,646**	**1,528**	**1**	**32,190**	**0**	**0**	**16,831**
Natural Gas Liquids and LRGs	**757**	**1,188**	**1,776**	**257**	**0**	**3,742**	**0**	**402**	**15**	**7,302**	**3,713**
Liquefied Petroleum Gases	654	1,188	1,559	221	0	3,742	0	375	15	6,973	3,664
Pentanes Plus	103	0	217	36	0	0	0	27	0	329	49
Other Liquids	**27**	**0**	**4,540**	**-535**	**0**	**300**	**0**	**4,147**	**0**	**185**	**16,278**
Other Hydrocarbons and Alcohol	27	0	0	0	0	0	0	27	0	0	0
Unfinished Oils	0	0	3,113	-753	0	166	0	3,242	0	-716	11,156
Motor Gasoline Blending Components	0	0	1,427	218	0	134	0	878	0	901	5,122
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**37,369**	**34,849**	**27,378**	**0**	**65,546**	**0**	**0**	**570**	**164,572**	**155,723**
Finished Motor Gasoline	0	18,195	7,064	5,515	0	35,377	0	0	2	66,149	63,425
Finished Leaded Motor Gasoline	0	3,921	408	1,471	0	7,739	0	0	0	13,539	17,747
Finished Unleaded Motor Gasoline	0	14,274	6,656	4,044	0	27,638	0	0	2	52,610	45,678
Finished Aviation Gasoline	0	16	0	-4	0	131	0	0	0	143	495
Naphtha-Type Jet Fuel	0	601	0	-79	0	386	0	0	(s)	908	1,289
Kerosene-Type Jet Fuel	0	1,916	1,785	198	0	8,901	0	0	0	12,800	10,868
Kerosene	0	171	495	753	0	1,046	0	0	5	2,460	2,962
Distillate Fuel Oil	0	7,490	6,644	16,545	0	18,303	0	0	4	48,978	48,754
Residual Fuel Oil	0	4,359	17,592	4,076	0	374	0	0	14	26,387	17,405
Naphtha and Other Oils for Petro. Feed. Use	0	200	445	15	0	-12	0	0	66	582	265
Special Naphthas	0	5	3	118	0	243	0	0	6	363	1,214
Lubricants	0	500	253	353	0	299	0	0	80	1,325	3,121
Waxes	0	67	35	5	0	3	0	0	4	106	106
Petroleum Coke	0	1,223	0	-176	0	0	0	0	376	672	816
Asphalt and Road Oil	0	626	532	-239	0	377	0	0	(s)	1,296	4,321
Still Gas	0	1,679	0	0	0	0	0	0	0	1,679	0
Miscellaneous Products	0	321	1	298	0	118	0	0	14	724	682
Total	**1,918**	**38,557**	**68,353**	**25,795**	**3,646**	**71,116**	**1**	**36,739**	**585**	**172,060**	**192,545**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,314**	**0**	**33,281**	**262**	**-2,097**	**1,743**	**1**	**34,502**	**(s)**	**0**	**16,569**
Natural Gas Liquids and LRGs	**832**	**1,280**	**1,695**	**-318**	**0**	**3,018**	**0**	**205**	**47**	**6,255**	**4,031**
Liquefied Petroleum Gases	715	1,280	1,426	-326	0	3,018	0	169	47	5,897	3,990
Pentanes Plus	117	0	269	8	0	0	0	36	0	358	41
Other Liquids	**7**	**0**	**6,124**	**1,296**	**0**	**791**	**0**	**8,271**	**0**	**-53**	**14,982**
Other Hydrocarbons and Alcohol	7	0	0	0	0	0	0	7	0	0	0
Unfinished Oils	0	0	5,288	622	0	409	0	6,494	0	-175	10,534
Motor Gasoline Blending Components	0	0	836	674	0	382	0	1,770	0	122	4,448
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**43,727**	**37,673**	**7,717**	**0**	**69,120**	**0**	**0**	**543**	**157,694**	**148,006**
Finished Motor Gasoline	0	22,393	9,970	-1,137	0	40,163	0	0	7	71,382	64,562
Finished Leaded Motor Gasoline	0	4,244	987	309	0	7,831	0	0	2	13,369	17,438
Finished Unleaded Motor Gasoline	0	18,149	8,983	-1,446	0	32,332	0	0	5	58,013	47,124
Finished Aviation Gasoline	0	0	0	79	0	114	0	0	0	193	416
Naphtha-Type Jet Fuel	0	486	99	98	0	244	0	0	0	927	1,191
Kerosene-Type Jet Fuel	0	1,850	2,052	773	0	10,029	0	0	0	14,704	10,095
Kerosene	0	216	293	436	0	512	0	0	5	1,452	2,526
Distillate Fuel Oil	0	8,288	8,050	7,251	0	16,253	0	0	7	39,835	41,503
Residual Fuel Oil	0	5,240	16,005	721	0	463	0	0	(s)	22,429	16,684
Naphtha and Other Oils for Petro. Feed. Use	0	96	151	31	0	31	0	0	60	249	234
Special Naphthas	0	28	78	-42	0	404	0	0	4	464	1,256
Lubricants	0	729	269	-11	0	581	0	0	261	1,307	3,132
Waxes	0	76	41	4	0	4	0	0	7	118	102
Petroleum Coke	0	1,001	27	70	0	0	0	0	178	920	746
Asphalt and Road Oil	0	1,317	635	-348	0	267	0	0	1	1,870	4,669
Still Gas	0	1,751	0	0	0	0	0	0	0	1,751	0
Miscellaneous Products	0	256	3	-208	0	55	0	0	15	91	890
Total	**2,153**	**45,007**	**78,774**	**8,957**	**-2,097**	**74,672**	**1**	**42,978**	**590**	**163,897**	**183,588**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,286**	**0**	**34,272**	**323**	**-1,073**	**2,842**	**2**	**37,648**	**0**	**0**	**16,246**
Natural Gas Liquids and LRGs	**808**	**1,430**	**1,147**	**123**	**0**	**1,956**	**0**	**192**	**26**	**5,246**	**3,908**
Liquefied Petroleum Gases	693	1,430	938	109	0	1,956	0	162	26	4,938	3,881
Pentanes Plus	115	0	209	14	0	0	0	30	0	308	27
Other Liquids	**0**	**0**	**5,608**	**-2,680**	**0**	**54**	**0**	**2,805**	**0**	**177**	**17,662**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	5,021	-2,605	0	12	0	2,202	0	226	13,139
Motor Gasoline Blending Components	0	0	587	-75	0	42	0	603	0	-49	4,523
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**40,586**	**31,749**	**6,418**	**0**	**69,859**	**0**	**0**	**583**	**148,029**	**141,588**
Finished Motor Gasoline	0	19,602	9,700	146	0	43,940	0	0	10	73,378	64,416
Finished Leaded Motor Gasoline	0	3,749	277	1,569	0	9,143	0	0	2	14,736	15,869
Finished Unleaded Motor Gasoline	0	15,853	9,423	-1,423	0	34,797	0	0	8	58,642	48,547
Finished Aviation Gasoline	0	0	0	-28	0	200	0	0	0	172	444
Naphtha-Type Jet Fuel	0	697	0	-28	0	558	0	0	(s)	1,227	1,219
Kerosene-Type Jet Fuel	0	1,457	1,716	113	0	8,606	0	0	(s)	11,892	9,982
Kerosene	0	244	98	-150	0	232	0	0	5	419	2,676
Distillate Fuel Oil	0	8,315	5,166	5,372	0	14,444	0	0	10	33,287	36,131
Residual Fuel Oil	0	3,704	13,478	1,089	0	289	0	0	160	18,400	15,595
Naphtha and Other Oils for Petro. Feed. Use	0	314	199	-120	0	80	0	0	40	433	354
Special Naphthas	0	30	164	101	0	246	0	0	9	532	1,155
Lubricants	0	534	310	253	0	629	0	0	129	1,597	2,879
Waxes	0	84	20	10	0	0	0	0	12	102	92
Petroleum Coke	0	898	0	301	0	0	0	0	192	1,007	445
Asphalt and Road Oil	0	2,740	896	-757	0	477	0	0	(s)	3,356	5,426
Still Gas	0	1,827	0	0	0	0	0	0	0	1,827	0
Miscellaneous Products	0	140	2	116	0	158	0	0	15	401	774
Total	**2,094**	**42,016**	**72,776**	**4,184**	**-1,073**	**74,711**	**2**	**40,645**	**609**	**153,452**	**179,404**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,310**	**0**	**37,318**	**-963**	**-455**	**2,222**	**1**	**39,431**	**0**	**0**	**17,209**
Natural Gas Liquids and LRGs	**782**	**1,209**	**812**	**-656**	**0**	**1,568**	**0**	**131**	**22**	**3,562**	**4,564**
Liquefied Petroleum Gases	682	1,209	812	-656	0	1,568	0	120	22	3,473	4,537
Pentanes Plus	100	0	0	0	0	0	0	11	0	89	27
Other Liquids	**0**	**0**	**2,321**	**-1,232**	**0**	**289**	**0**	**3,928**	**0**	**-2,550**	**18,894**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	2,031	-866	0	112	0	2,444	0	-1,167	14,005
Motor Gasoline Blending Components	0	0	290	-366	0	177	0	1,484	0	-1,383	4,889
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**44,521**	**32,270**	**2,967**	**0**	**68,819**	**0**	**0**	**332**	**148,245**	**138,621**
Finished Motor Gasoline	0	21,447	10,009	3,845	0	45,150	0	0	12	80,439	60,571
Finished Leaded Motor Gasoline	0	4,461	443	1,996	0	8,014	0	0	4	14,910	13,873
Finished Unleaded Motor Gasoline	0	16,986	9,566	1,849	0	37,136	0	0	8	65,529	46,698
Finished Aviation Gasoline	0	15	0	100	0	43	0	0	0	158	344
Naphtha-Type Jet Fuel	0	902	0	-352	0	341	0	0	(s)	891	1,571
Kerosene-Type Jet Fuel	0	1,576	1,523	97	0	8,743	0	0	1	11,938	9,885
Kerosene	0	-107	81	181	0	87	0	0	5	237	2,495
Distillate Fuel Oil	0	8,550	5,566	1,566	0	13,035	0	0	8	28,709	34,565
Residual Fuel Oil	0	4,010	13,767	-2,348	0	92	0	0	(s)	15,521	17,943
Naphtha and Other Oils for Petro. Feed. Use	0	249	173	-44	0	-38	0	0	36	304	398
Special Naphthas	0	38	54	-37	0	346	0	0	7	394	1,192
Lubricants	0	631	257	66	0	514	0	0	226	1,242	2,813
Waxes	0	78	16	-3	0	2	0	0	5	88	95
Petroleum Coke	0	1,198	0	-191	0	0	0	0	20	987	636
Asphalt and Road Oil	0	3,760	781	85	0	454	0	0	1	5,079	5,341
Still Gas	0	1,928	0	0	0	0	0	0	0	1,928	0
Miscellaneous Products	0	246	43	2	0	50	0	0	11	330	772
Total	**2,092**	**45,730**	**72,721**	**116**	**-455**	**72,898**	**1**	**43,490**	**354**	**149,257**	**179,288**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,236**	**0**	**35,478**	**913**	**1,575**	**2,347**	**0**	**41,549**	**0**	**0**	**16,296**
Natural Gas Liquids and LRGs	**633**	**1,500**	**663**	**356**	**0**	**1,541**	**0**	**219**	**24**	**4,450**	**4,208**
Liquefied Petroleum Gases	529	1,500	440	379	0	1,541	0	189	24	4,176	4,158
Pentanes Plus	104	0	223	-23	0	0	0	30	0	274	50
Other Liquids	**0**	**0**	**2,715**	**869**	**0**	**339**	**0**	**4,692**	**0**	**-769**	**18,025**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	2,131	864	0	92	0	3,343	0	-256	13,141
Motor Gasoline Blending Components	0	0	584	5	0	247	0	1,349	0	-513	4,884
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**46,733**	**34,561**	**-4,696**	**0**	**68,309**	**0**	**0**	**1,073**	**143,834**	**143,317**
Finished Motor Gasoline	0	21,091	10,052	-1,227	0	44,849	0	0	141	74,624	61,798
Finished Leaded Motor Gasoline	0	4,854	742	-341	0	7,921	0	0	2	13,174	14,214
Finished Unleaded Motor Gasoline	0	16,237	9,310	-886	0	36,928	0	0	139	61,450	47,584
Finished Aviation Gasoline	0	1	0	-45	0	210	0	0	0	166	389
Naphtha-Type Jet Fuel	0	618	0	175	0	458	0	0	0	1,251	1,396
Kerosene-Type Jet Fuel	0	2,117	1,418	-347	0	8,930	0	0	2	12,116	10,232
Kerosene	0	31	132	265	0	57	0	0	4	481	2,230
Distillate Fuel Oil	0	9,546	7,315	-2,475	0	12,092	0	0	241	26,237	37,040
Residual Fuel Oil	0	4,354	13,984	-1,284	0	415	0	0	48	17,421	19,227
Naphtha and Other Oils for Petro. Feed. Use	0	243	143	44	0	-46	0	0	36	348	354
Special Naphthas	0	49	12	114	0	209	0	0	7	377	1,078
Lubricants	0	731	365	-135	0	551	0	0	115	1,397	2,948
Waxes	0	86	20	19	0	5	0	0	11	119	76
Petroleum Coke	0	1,271	27	96	0	0	0	0	455	939	540
Asphalt and Road Oil	0	4,132	1,033	9	0	508	0	0	1	5,681	5,332
Still Gas	0	2,153	0	0	0	0	0	0	0	2,153	0
Miscellaneous Products	0	310	60	95	0	71	0	0	13	523	677
Total	**1,869**	**48,233**	**73,417**	**-2,558**	**1,575**	**72,536**	**0**	**46,460**	**1,097**	**147,515**	**181,846**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,289**	**0**	**36,849**	**-206**	**2,648**	**1,404**	**0**	**41,984**	**0**	**0**	**16,502**
Natural Gas Liquids and LRGs	**770**	**1,663**	**1,116**	**-616**	**0**	**1,409**	**0**	**202**	**18**	**4,122**	**4,824**
Liquefied Petroleum Gases	650	1,663	876	-625	0	1,409	0	164	18	3,791	4,783
Pentanes Plus	120	0	240	9	0	0	0	38	0	331	41
Other Liquids	**0**	**0**	**3,062**	**-1,207**	**0**	**805**	**0**	**5,338**	**0**	**-2,678**	**19,232**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	1,721	-575	0	234	0	4,705	0	-3,325	13,716
Motor Gasoline Blending Components	0	0	1,341	-632	0	571	0	633	0	647	5,516
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**47,635**	**47,885**	**-10,582**	**0**	**70,674**	**0**	**0**	**409**	**155,203**	**153,899**
Finished Motor Gasoline	0	21,322	12,959	-2,143	0	46,375	0	0	2	78,511	63,941
Finished Leaded Motor Gasoline	0	4,233	1,872	-677	0	7,961	0	0	(s)	13,389	14,891
Finished Unleaded Motor Gasoline	0	17,089	11,087	-1,466	0	38,414	0	0	1	65,123	49,050
Finished Aviation Gasoline	0	13	0	-97	0	137	0	0	0	53	486
Naphtha-Type Jet Fuel	0	836	0	-8	0	543	0	0	0	1,371	1,404
Kerosene-Type Jet Fuel	0	2,173	1,424	-292	0	8,480	0	0	0	11,785	10,524
Kerosene	0	98	357	-127	0	47	0	0	3	372	2,357
Distillate Fuel Oil	0	9,811	10,640	-7,784	0	13,221	0	0	4	25,884	44,824
Residual Fuel Oil	0	4,220	20,570	-595	0	128	0	0	2	24,321	19,822
Naphtha and Other Oils for Petro. Feed. Use	0	234	111	26	0	-2	0	0	30	339	328
Special Naphthas	0	76	14	-57	0	413	0	0	6	440	1,135
Lubricants	0	787	611	27	0	469	0	0	165	1,729	2,921
Waxes	0	95	23	-2	0	8	0	0	5	119	78
Petroleum Coke	0	1,315	0	-24	0	0	0	0	176	1,115	564
Asphalt and Road Oil	0	4,204	1,125	467	0	752	0	0	(s)	6,548	4,865
Still Gas	0	2,200	0	0	0	0	0	0	0	2,200	0
Miscellaneous Products	0	251	51	27	0	103	0	0	16	416	650
Total	**2,059**	**49,298**	**88,912**	**-12,611**	**2,648**	**74,292**	**0**	**47,524**	**427**	**156,647**	**194,457**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,271**	**0**	**41,134**	**-678**	**-565**	**1,284**	**0**	**42,446**	**0**	**0**	**17,180**
Natural Gas Liquids and LRGs	**686**	**1,520**	**743**	**-692**	**0**	**1,803**	**0**	**145**	**50**	**3,865**	**5,516**
Liquefied Petroleum Gases	583	1,520	725	-672	0	1,803	0	112	50	3,797	5,455
Pentanes Plus	103	0	18	-20	0	0	0	33	0	68	61
Other Liquids	**0**	**0**	**4,125**	**-430**	**0**	**297**	**0**	**5,302**	**0**	**-1,310**	**19,662**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	1,997	-119	0	39	0	4,416	0	-2,499	13,835
Motor Gasoline Blending Components	0	0	2,128	-311	0	258	0	886	0	1,189	5,827
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**48,319**	**35,112**	**-4,517**	**0**	**70,782**	**0**	**0**	**588**	**149,108**	**158,416**
Finished Motor Gasoline	0	21,096	10,300	2,816	0	42,857	0	0	13	77,056	61,125
Finished Leaded Motor Gasoline	0	3,564	653	1,208	0	7,342	0	0	1	12,766	13,683
Finished Unleaded Motor Gasoline	0	17,532	9,647	1,608	0	35,515	0	0	12	64,290	47,442
Finished Aviation Gasoline	0	9	0	2	0	181	0	0	0	192	484
Naphtha-Type Jet Fuel	0	817	0	214	0	491	0	0	0	1,522	1,190
Kerosene-Type Jet Fuel	0	2,454	1,249	416	0	9,129	0	0	0	13,248	10,108
Kerosene	0	100	313	-303	0	303	0	0	9	404	2,660
Distillate Fuel Oil	0	10,050	6,176	-5,682	0	15,021	0	0	75	25,490	50,506
Residual Fuel Oil	0	4,224	14,716	-1,432	0	1,182	0	0	6	18,684	21,254
Naphtha and Other Oils for Petro. Feed. Use	0	286	449	-90	0	-71	0	0	25	549	418
Special Naphthas	0	105	122	-126	0	270	0	0	6	365	1,261
Lubricants	0	816	312	-181	0	595	0	0	212	1,330	3,102
Waxes	0	90	34	-5	0	8	0	0	4	123	83
Petroleum Coke	0	1,341	0	-64	0	0	0	0	219	1,058	628
Asphalt and Road Oil	0	4,454	1,388	-70	0	795	0	0	(s)	6,567	4,935
Still Gas	0	2,195	0	0	0	0	0	0	0	2,195	0
Miscellaneous Products	0	282	53	-12	0	21	0	0	17	327	662
Total	**1,957**	**49,839**	**81,114**	**-6,317**	**-565**	**74,166**	**0**	**47,893**	**638**	**151,663**	**200,774**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,252**	**0**	**32,653**	**867**	**2,239**	**1,195**	**1**	**38,205**	**0**	**0**	**16,313**
Natural Gas Liquids and LRGs	**743**	**1,463**	**724**	**-248**	**0**	**2,806**	**0**	**228**	**13**	**5,247**	**5,764**
Liquefied Petroleum Gases	634	1,463	717	-262	0	2,806	0	201	13	5,144	5,717
Pentanes Plus	109	0	7	14	0	0	0	27	0	103	47
Other Liquids	**0**	**0**	**3,035**	**293**	**0**	**465**	**0**	**6,476**	**0**	**-2,683**	**19,369**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	2,674	106	0	184	0	5,479	0	-2,515	13,729
Motor Gasoline Blending Components	0	0	361	187	0	281	0	997	0	-168	5,640
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**45,284**	**35,569**	**-1,298**	**0**	**68,005**	**0**	**0**	**331**	**147,229**	**159,714**
Finished Motor Gasoline	0	20,004	11,052	2,353	0	40,517	0	0	5	73,921	58,772
Finished Leaded Motor Gasoline	0	3,613	1,131	-4	0	6,768	0	0	1	11,507	13,687
Finished Unleaded Motor Gasoline	0	16,391	9,921	2,357	0	33,749	0	0	4	62,414	45,085
Finished Aviation Gasoline	0	1	0	-68	0	208	0	0	0	141	552
Naphtha-Type Jet Fuel	0	860	0	-99	0	423	0	0	3	1,181	1,289
Kerosene-Type Jet Fuel	0	2,231	1,534	-621	0	10,559	0	0	4	13,699	10,729
Kerosene	0	97	162	-234	0	268	0	0	5	288	2,894
Distillate Fuel Oil	0	9,195	5,990	-1,932	0	14,032	0	0	8	27,277	52,438
Residual Fuel Oil	0	3,731	14,750	64	0	672	0	0	1	19,216	21,190
Naphtha and Other Oils for Petro. Feed. Use	0	313	105	35	0	-50	0	0	72	331	383
Special Naphthas	0	100	96	39	0	188	0	0	5	418	1,222
Lubricants	0	665	327	-13	0	533	0	0	116	1,396	3,115
Waxes	0	99	14	-9	0	7	0	0	8	103	92
Petroleum Coke	0	1,223	0	-56	0	0	0	0	89	1,078	684
Asphalt and Road Oil	0	4,400	1,463	-560	0	623	0	0	1	5,925	5,495
Still Gas	0	2,051	0	0	0	0	0	0	0	2,051	0
Miscellaneous Products	0	314	76	-197	0	25	0	0	14	204	859
Total	**1,995**	**46,747**	**71,982**	**-386**	**2,239**	**72,471**	**1**	**44,909**	**345**	**149,793**	**201,160**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,284**	**0**	**35,222**	**295**	**-1,335**	**1,664**	**1**	**37,129**	**0**	**0**	**16,018**
Natural Gas Liquids and LRGs	**822**	**1,655**	**899**	**660**	**0**	**3,143**	**0**	**240**	**24**	**6,915**	**5,104**
Liquefied Petroleum Gases	709	1,655	682	667	0	3,143	0	209	24	6,623	5,050
Pentanes Plus	113	0	217	-7	0	0	0	31	0	292	54
Other Liquids	**0**	**0**	**6,136**	**1,611**	**0**	**419**	**0**	**9,722**	**0**	**-1,556**	**17,758**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	4,386	379	0	139	0	6,727	0	-1,823	13,350
Motor Gasoline Blending Components	0	0	1,750	1,232	0	280	0	2,995	0	267	4,408
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**47,719**	**30,492**	**2,414**	**0**	**76,200**	**0**	**0**	**356**	**156,469**	**157,300**
Finished Motor Gasoline	0	21,805	9,427	3,246	0	43,758	0	0	23	78,213	55,526
Finished Leaded Motor Gasoline	0	3,673	493	883	0	7,312	0	0	2	12,359	12,804
Finished Unleaded Motor Gasoline	0	18,132	8,934	2,363	0	36,446	0	0	21	65,854	42,722
Finished Aviation Gasoline	0	14	0	-57	0	209	0	0	0	166	609
Naphtha-Type Jet Fuel	0	624	0	-22	0	703	0	0	1	1,304	1,311
Kerosene-Type Jet Fuel	0	2,414	844	599	0	11,126	0	0	72	14,911	10,130
Kerosene	0	242	237	-199	0	797	0	0	8	1,069	3,093
Distillate Fuel Oil	0	10,522	6,912	-922	0	17,801	0	0	22	34,291	53,360
Residual Fuel Oil	0	3,434	11,746	-30	0	404	0	0	1	15,553	21,220
Naphtha and Other Oils for Petro. Feed. Use	0	222	151	88	0	-43	0	0	21	397	295
Special Naphthas	0	88	49	-22	0	277	0	0	5	387	1,244
Lubricants	0	674	251	-185	0	607	0	0	160	1,187	3,300
Waxes	0	80	46	13	0	5	0	0	3	141	79
Petroleum Coke	0	1,274	0	-68	0	0	0	0	20	1,186	752
Asphalt and Road Oil	0	3,987	776	-41	0	535	0	0	2	5,255	5,536
Still Gas	0	1,967	0	0	0	0	0	0	0	1,967	0
Miscellaneous Products	0	372	53	14	0	21	0	0	19	441	845
Total	**2,106**	**49,374**	**72,749**	**4,980**	**-1,335**	**81,426**	**1**	**47,091**	**380**	**161,828**	**196,180**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, November 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,212**	**0**	**34,100**	**1,317**	**-668**	**739**	**1**	**36,699**	**0**	**0**	**14,701**
Natural Gas Liquids and LRGs	**775**	**1,572**	**2,135**	**-648**	**0**	**3,503**	**0**	**126**	**35**	**7,175**	**5,752**
Liquefied Petroleum Gases	668	1,572	1,866	-652	0	3,503	0	104	35	6,817	5,702
Pentanes Plus	107	0	269	4	0	0	0	22	0	358	50
Other Liquids	**82**	**0**	**5,224**	**400**	**0**	**473**	**0**	**7,227**	**0**	**-1,048**	**17,358**
Other Hydrocarbons and Alcohol	82	0	0	-57	0	0	0	25	0	0	57
Unfinished Oils	0	0	3,973	458	0	160	0	5,982	0	-1,391	12,892
Motor Gasoline Blending Components	0	0	1,251	-1	0	313	0	1,220	0	343	4,409
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**44,698**	**37,873**	**-4,340**	**0**	**76,342**	**0**	**0**	**534**	**154,039**	**161,640**
Finished Motor Gasoline	0	21,224	13,479	-3,173	0	41,885	0	0	10	73,405	58,699
Finished Leaded Motor Gasoline	0	3,604	1,660	-194	0	6,671	0	0	1	11,740	12,998
Finished Unleaded Motor Gasoline	0	17,620	11,819	-2,979	0	35,214	0	0	9	61,665	45,701
Finished Aviation Gasoline	0	0	0	134	0	134	0	0	0	268	475
Naphtha-Type Jet Fuel	0	389	0	29	0	746	0	0	(s)	1,164	1,282
Kerosene-Type Jet Fuel	0	2,162	1,272	-1,442	0	10,561	0	0	22	12,531	11,572
Kerosene	0	382	364	-615	0	1,204	0	0	10	1,325	3,708
Distillate Fuel Oil	0	10,940	5,260	1,237	0	19,704	0	0	40	37,101	52,123
Residual Fuel Oil	0	3,247	16,262	-1,797	0	1,169	0	0	0	18,881	23,017
Naphtha and Other Oils for Petro. Feed. Use	0	72	91	-160	0	-68	0	0	37	-102	455
Special Naphthas	0	18	4	-21	0	261	0	0	23	239	1,265
Lubricants	0	541	214	153	0	462	0	0	275	1,095	3,147
Waxes	0	80	14	3	0	2	0	0	5	94	76
Petroleum Coke	0	1,294	22	120	0	0	0	0	96	1,340	632
Asphalt and Road Oil	0	2,238	856	1,168	0	267	0	0	1	4,528	4,368
Still Gas	0	1,836	0	0	0	0	0	0	0	1,836	0
Miscellaneous Products	0	275	35	24	0	15	0	0	14	335	821
Total	**2,069**	**46,270**	**79,332**	**-3,271**	**-668**	**81,057**	**1**	**44,052**	**570**	**160,166**	**199,451**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,301**	**0**	**36,696**	**-834**	**1,033**	**2,729**	**0**	**40,925**	**0**	**0**	**15,535**
Natural Gas Liquids and LRGs	**896**	**1,652**	**2,161**	**82**	**0**	**3,911**	**0**	**268**	**18**	**8,415**	**5,670**
Liquefied Petroleum Gases	772	1,652	1,789	85	0	3,911	0	260	18	7,930	5,617
Pentanes Plus	124	0	372	-3	0	0	0	8	0	485	53
Other Liquids	**0**	**0**	**6,915**	**110**	**0**	**300**	**0**	**7,534**	**0**	**-209**	**17,248**
Other Hydrocarbons and Alcohol	0	0	0	37	0	0	0	37	0	0	20
Unfinished Oils	0	0	5,206	1,169	0	153	0	7,172	0	-644	11,723
Motor Gasoline Blending Components	0	0	1,709	-1,096	0	147	0	325	0	435	5,505
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**49,233**	**42,024**	**1,733**	**0**	**82,600**	**0**	**0**	**438**	**175,153**	**159,907**
Finished Motor Gasoline	0	22,091	9,263	1,230	0	43,699	0	0	16	76,267	57,469
Finished Leaded Motor Gasoline	0	3,102	823	216	0	6,389	0	0	3	10,527	12,782
Finished Unleaded Motor Gasoline	0	18,989	8,440	1,014	0	37,310	0	0	13	65,740	44,687
Finished Aviation Gasoline	0	10	0	-21	0	201	0	0	0	190	496
Naphtha-Type Jet Fuel	0	670	0	-279	0	336	0	0	0	727	1,561
Kerosene-Type Jet Fuel	0	2,098	1,663	1,281	0	10,990	0	0	74	15,958	10,291
Kerosene	0	258	438	371	0	1,043	0	0	16	2,094	3,337
Distillate Fuel Oil	0	12,810	10,907	-1,631	0	24,575	0	0	19	46,642	53,754
Residual Fuel Oil	0	4,958	18,762	-102	0	268	0	0	1	23,885	23,119
Naphtha and Other Oils for Petro. Feed. Use	0	119	148	91	0	-67	0	0	50	241	364
Special Naphthas	0	102	6	-21	0	184	0	0	9	262	1,286
Lubricants	0	670	334	183	0	476	0	0	208	1,455	2,964
Waxes	0	90	15	12	0	9	0	0	5	121	64
Petroleum Coke	0	1,405	0	112	0	0	0	0	14	1,503	520
Asphalt and Road Oil	0	1,424	427	429	0	816	0	0	(s)	3,096	3,939
Still Gas	0	2,135	0	0	0	0	0	0	0	2,135	0
Miscellaneous Products	0	393	61	78	0	70	0	0	26	576	743
Total	**2,197**	**50,885**	**87,796**	**1,091**	**1,033**	**89,540**	**0**	**48,727**	**456**	**183,359**	**198,360**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,595**	**0**	**13,085**	**9,552**	**-8,717**	**45,583**	**0**	**85,891**	**207**	**0**	**73,915**
Natural Gas Liquids and LRGs	**9,890**	**2,435**	**2,638**	**3,422**	**0**	**1,562**	**0**	**5,634**	**528**	**13,785**	**27,070**
Liquefied Petroleum Gases	8,443	2,435	2,607	3,360	0	827	0	4,320	456	12,896	24,718
Pentanes Plus	1,447	0	31	62	0	735	0	1,314	72	889	2,352
Other Liquids	**233**	**0**	**0**	**223**	**0**	**-126**	**0**	**2,874**	**0**	**-2,544**	**21,129**
Other Hydrocarbons and Alcohol	233	0	0	10	0	0	0	243	0	0	111
Unfinished Oils	0	0	0	430	0	0	0	876	0	-446	12,450
Motor Gasoline Blending Components	0	0	0	-228	0	-126	0	1,770	0	-2,124	8,523
Aviation Gasoline Blending Components	0	0	0	11	0	0	0	-15	0	26	45
Finished Petroleum Products	**18**	**96,007**	**957**	**-8,563**	**0**	**18,754**	**0**	**0**	**105**	**107,068**	**126,101**
Finished Motor Gasoline	0	53,063	285	-8,109	0	13,586	0	0	2	58,823	62,879
Finished Leaded Motor Gasoline	0	15,181	4	-2,745	0	4,604	0	0	1	17,043	24,106
Finished Unleaded Motor Gasoline	0	37,882	281	-5,364	0	8,982	0	0	1	41,780	38,773
Finished Aviation Gasoline	0	91	0	-17	0	93	0	0	0	167	526
Naphtha-Type Jet Fuel	0	564	77	-207	0	85	0	0	0	519	1,123
Kerosene-Type Jet Fuel	0	5,999	0	200	0	1,974	0	0	0	8,173	8,862
Kerosene	0	1,158	0	-79	0	-60	0	0	3	1,016	2,484
Distillate Fuel Oil	0	19,360	357	675	0	3,584	0	0	5	23,971	34,040
Residual Fuel Oil	0	2,304	80	605	0	-657	0	0	0	2,332	2,848
Naphtha and Other Oils for Petro. Feed. Use	0	1,501	33	-71	0	-3	0	0	32	1,428	398
Special Naphthas	0	523	106	124	0	61	0	0	4	810	588
Lubricants	0	802	10	102	0	65	0	0	30	949	2,353
Waxes	0	31	6	15	0	0	0	0	1	51	89
Petroleum Coke	0	3,508	0	-240	0	0	0	0	26	3,242	2,266
Asphalt and Road Oil	0	2,709	0	-1,550	0	35	0	0	1	1,193	7,356
Still Gas	0	4,127	0	0	0	0	0	0	0	4,127	0
Miscellaneous Products	18	267	3	-11	0	-9	0	0	2	266	289
Total	**36,736**	**98,442**	**16,680**	**4,634**	**-8,717**	**65,773**	**0**	**94,399**	**840**	**118,309**	**248,215**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**24,991**	**0**	**10,325**	**619**	**-714**	**42,264**	**0**	**76,237**	**1,248**	**0**	**73,296**
Natural Gas Liquids and LRGs	**9,247**	**2,096**	**2,376**	**208**	**0**	**1,132**	**0**	**4,126**	**438**	**10,495**	**26,862**
Liquefied Petroleum Gases	7,981	2,096	2,345	703	0	630	0	3,096	377	10,282	24,015
Pentanes Plus	1,266	0	31	-495	0	502	0	1,030	61	213	2,847
Other Liquids	**269**	**0**	**50**	**-2,263**	**0**	**-111**	**0**	**148**	**0**	**-2,203**	**23,392**
Other Hydrocarbons and Alcohol	269	0	0	-5	0	0	0	264	0	0	116
Unfinished Oils	0	0	0	-1,380	0	0	0	-806	0	-574	13,830
Motor Gasoline Blending Components	0	0	50	-877	0	-111	0	722	0	-1,660	9,400
Aviation Gasoline Blending Components	0	0	0	-1	0	0	0	-32	0	31	46
Finished Petroleum Products	**14**	**82,197**	**547**	**1,601**	**0**	**13,320**	**0**	**0**	**88**	**97,591**	**124,500**
Finished Motor Gasoline	0	44,974	110	2,089	0	8,129	0	0	8	55,294	60,790
Finished Leaded Motor Gasoline	0	11,547	6	499	0	2,312	0	0	2	14,362	23,607
Finished Unleaded Motor Gasoline	0	33,427	104	1,590	0	5,817	0	0	6	40,932	37,183
Finished Aviation Gasoline	0	54	0	-6	0	87	0	0	0	135	532
Naphtha-Type Jet Fuel	0	478	80	194	0	118	0	0	0	870	929
Kerosene-Type Jet Fuel	0	5,287	0	-368	0	1,792	0	0	0	6,711	9,230
Kerosene	0	406	0	374	0	-112	0	0	3	665	2,110
Distillate Fuel Oil	0	16,895	195	735	0	3,064	0	0	3	20,886	33,305
Residual Fuel Oil	0	2,194	23	177	0	-182	0	0	0	2,212	2,671
Naphtha and Other Oils for Petro. Feed. Use	0	1,282	66	-39	0	-1	0	0	12	1,296	437
Special Naphthas	0	374	35	25	0	123	0	0	2	555	563
Lubricants	0	681	13	90	0	160	0	0	23	921	2,263
Waxes	0	41	22	4	0	0	0	0	2	65	85
Petroleum Coke	0	3,250	0	-313	0	0	0	0	30	2,907	2,579
Asphalt and Road Oil	0	2,364	0	-1,317	0	114	0	0	2	1,159	8,673
Still Gas	0	3,655	0	0	0	0	0	0	0	3,655	0
Miscellaneous Products	14	262	3	-44	0	28	0	0	2	261	333
Total	**34,521**	**84,293**	**13,298**	**165**	**-714**	**56,605**	**0**	**80,511**	**1,774**	**105,882**	**248,050**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**27,277**	**0**	**11,151**	**2,335**	**520**	**42,212**	**2**	**82,948**	**545**	**0**	**70,961**
Natural Gas Liquids and LRGs	**9,491**	**2,236**	**1,717**	**191**	**0**	**1,986**	**0**	**4,397**	**534**	**10,690**	**26,671**
Liquefied Petroleum Gases	8,172	2,236	1,677	-739	0	1,398	0	3,142	459	9,143	24,754
Pentanes Plus	1,319	0	40	930	0	588	0	1,255	75	1,547	1,917
Other Liquids	**211**	**0**	**0**	**-1,443**	**0**	**-152**	**0**	**882**	**0**	**-2,266**	**24,835**
Other Hydrocarbons and Alcohol	211	0	0	-16	0	0	0	195	0	0	132
Unfinished Oils	0	0	0	-1,589	0	0	0	-932	0	-657	15,419
Motor Gasoline Blending Components	0	0	0	145	0	-152	0	1,604	0	-1,611	9,255
Aviation Gasoline Blending Components	0	0	0	17	0	0	0	15	0	2	29
Finished Petroleum Products	**20**	**89,179**	**1,095**	**1,980**	**0**	**20,515**	**0**	**0**	**164**	**112,625**	**122,520**
Finished Motor Gasoline	0	49,283	298	1,497	0	12,879	0	0	10	63,947	59,293
Finished Leaded Motor Gasoline	0	12,686	3	1,792	0	3,314	0	0	3	17,792	21,815
Finished Unleaded Motor Gasoline	0	36,597	295	-295	0	9,565	0	0	7	46,155	37,478
Finished Aviation Gasoline	0	116	0	15	0	97	0	0	0	228	517
Naphtha-Type Jet Fuel	0	530	75	10	0	133	0	0	0	748	919
Kerosene-Type Jet Fuel	0	5,705	218	-528	0	2,341	0	0	0	7,736	9,758
Kerosene	0	338	0	99	0	-59	0	0	1	377	2,011
Distillate Fuel Oil	0	17,591	199	2,956	0	4,696	0	0	3	25,439	30,349
Residual Fuel Oil	0	2,349	70	-394	0	-121	0	0	0	1,904	3,065
Naphtha and Other Oils for Petro. Feed. Use	0	1,496	151	-17	0	22	0	0	68	1,584	454
Special Naphthas	0	518	45	-50	0	124	0	0	5	632	613
Lubricants	0	811	22	63	0	335	0	0	25	1,206	2,200
Waxes	0	69	9	-18	0	0	0	0	1	59	103
Petroleum Coke	0	3,400	0	-317	0	0	0	0	48	3,035	2,896
Asphalt and Road Oil	0	2,909	0	-1,352	0	85	0	0	1	1,641	10,025
Still Gas	0	3,823	0	0	0	0	0	0	0	3,823	0
Miscellaneous Products	20	241	8	16	0	-17	0	0	2	266	317
Total	**36,999**	**91,415**	**13,963**	**3,063**	**520**	**64,561**	**2**	**88,227**	**1,244**	**121,049**	**244,987**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**27,207**	**0**	**13,267**	**3,079**	**-1,664**	**44,557**	**0**	**85,992**	**454**	**0**	**67,882**
Natural Gas Liquids and LRGs	**9,226**	**2,410**	**2,222**	**-1,148**	**0**	**815**	**0**	**3,575**	**540**	**9,409**	**27,819**
Liquefied Petroleum Gases	7,924	2,410	2,187	-890	0	16	0	2,643	468	8,535	25,644
Pentanes Plus	1,302	0	35	-258	0	799	0	932	72	874	2,175
Other Liquids	**226**	**0**	**0**	**-1,791**	**0**	**-38**	**0**	**-415**	**0**	**-1,188**	**26,626**
Other Hydrocarbons and Alcohol	226	0	0	19	0	0	0	245	0	0	113
Unfinished Oils	0	0	0	-1,712	0	38	0	-1,036	0	-638	17,131
Motor Gasoline Blending Components	0	0	0	-105	0	-76	0	369	0	-550	9,360
Aviation Gasoline Blending Components	0	0	0	7	0	0	0	7	0	0	22
Finished Petroleum Products	**10**	**90,113**	**441**	**3,645**	**0**	**17,859**	**0**	**0**	**329**	**111,739**	**118,875**
Finished Motor Gasoline	0	48,628	105	2,346	0	12,031	0	0	6	63,104	56,947
Finished Leaded Motor Gasoline	0	12,505	1	2,009	0	3,212	0	0	3	17,724	19,806
Finished Unleaded Motor Gasoline	0	36,123	104	337	0	8,819	0	0	3	45,380	37,141
Finished Aviation Gasoline	0	80	0	57	0	73	0	0	0	210	460
Naphtha-Type Jet Fuel	0	672	63	-137	0	93	0	0	0	691	1,056
Kerosene-Type Jet Fuel	0	5,245	0	607	0	1,330	0	0	0	7,182	9,151
Kerosene	0	257	0	0	0	-97	0	0	1	159	2,011
Distillate Fuel Oil	0	19,577	164	1,287	0	3,935	0	0	2	24,961	29,062
Residual Fuel Oil	0	1,893	33	-20	0	-184	0	0	0	1,722	3,085
Naphtha and Other Oils for Petro. Feed. Use	0	1,154	17	137	0	3	0	0	67	1,244	317
Special Naphthas	0	444	35	-58	0	98	0	0	5	514	671
Lubricants	0	694	18	-45	0	410	0	0	31	1,046	2,245
Waxes	0	55	3	-10	0	0	0	0	2	46	113
Petroleum Coke	0	3,216	0	18	0	0	0	0	199	3,035	2,878
Asphalt and Road Oil	0	3,709	0	-511	0	185	0	0	14	3,369	10,536
Still Gas	0	4,086	0	0	0	0	0	0	0	4,086	0
Miscellaneous Products	10	403	3	-26	0	-18	0	0	2	370	343
Total	**36,669**	**92,523**	**15,930**	**3,785**	**-1,664**	**63,193**	**0**	**89,152**	**1,323**	**119,961**	**241,202**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,253**	**0**	**16,088**	**114**	**427**	**43,533**	**0**	**86,321**	**94**	**0**	**67,768**
Natural Gas Liquids and LRGs	**8,972**	**2,556**	**1,586**	**-3,645**	**0**	**301**	**0**	**3,570**	**520**	**5,680**	**31,464**
Liquefied Petroleum Gases	7,676	2,556	1,555	-3,424	0	-282	0	2,633	449	4,998	29,068
Pentanes Plus	1,296	0	31	-221	0	583	0	937	71	681	2,396
Other Liquids	**228**	**0**	**1**	**3,021**	**0**	**-70**	**0**	**4,141**	**0**	**-961**	**23,605**
Other Hydrocarbons and Alcohol	228	0	0	-4	0	0	0	224	0	0	117
Unfinished Oils	0	0	1	1,420	0	0	0	1,857	0	-436	15,711
Motor Gasoline Blending Components	0	0	0	1,638	0	-70	0	2,074	0	-506	7,722
Aviation Gasoline Blending Components	0	0	0	-33	0	0	0	-14	0	-19	55
Finished Petroleum Products	**19**	**95,460**	**810**	**3,153**	**0**	**21,089**	**0**	**0**	**558**	**119,973**	**115,722**
Finished Motor Gasoline	0	53,697	136	1,148	0	13,322	0	0	80	68,223	55,799
Finished Leaded Motor Gasoline	0	14,788	1	941	0	3,705	0	0	2	19,433	18,865
Finished Unleaded Motor Gasoline	0	38,909	135	207	0	9,617	0	0	77	48,791	36,934
Finished Aviation Gasoline	0	83	0	66	0	144	0	0	0	293	394
Naphtha-Type Jet Fuel	0	504	69	-49	0	108	0	0	13	619	1,105
Kerosene-Type Jet Fuel	0	5,135	0	193	0	1,806	0	0	(s)	7,134	8,958
Kerosene	0	125	0	34	0	-104	0	0	1	54	1,977
Distillate Fuel Oil	0	18,919	443	412	0	5,474	0	0	(s)	25,248	28,650
Residual Fuel Oil	0	1,966	36	248	0	-309	0	0	0	1,941	2,837
Naphtha and Other Oils for Petro. Feed. Use	0	1,586	31	31	0	14	0	0	10	1,652	286
Special Naphthas	0	348	67	79	0	154	0	0	2	646	592
Lubricants	0	716	11	36	0	307	0	0	61	1,009	2,209
Waxes	0	52	11	-10	0	0	0	0	1	52	123
Petroleum Coke	0	3,073	0	115	0	0	0	0	354	2,834	2,763
Asphalt and Road Oil	0	4,657	4	764	0	173	0	0	33	5,565	9,772
Still Gas	0	4,217	0	0	0	0	0	0	0	4,217	0
Miscellaneous Products	19	382	2	86	0	0	0	0	2	487	257
Total	**35,472**	**98,016**	**18,485**	**2,643**	**427**	**64,853**	**0**	**94,032**	**1,171**	**124,692**	**238,559**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,239**	**0**	**16,752**	**1,752**	**-2,274**	**44,621**	**0**	**86,668**	**422**	**0**	**66,016**
Natural Gas Liquids and LRGs	**8,615**	**2,628**	**1,686**	**-1,409**	**0**	**410**	**0**	**3,149**	**69**	**8,712**	**32,873**
Liquefied Petroleum Gases	7,274	2,628	1,650	-1,388	0	185	0	2,174	67	8,108	30,456
Pentanes Plus	1,341	0	36	-21	0	225	0	975	3	603	2,417
Other Liquids	**193**	**0**	**146**	**2,081**	**0**	**-67**	**0**	**3,330**	**0**	**-977**	**21,524**
Other Hydrocarbons and Alcohol	193	0	0	47	0	0	0	240	0	0	70
Unfinished Oils	0	0	146	1,659	0	0	0	1,902	0	-97	14,052
Motor Gasoline Blending Components	0	0	0	377	0	-67	0	1,190	0	-880	7,345
Aviation Gasoline Blending Components	0	0	0	-2	0	0	0	-2	0	0	57
Finished Petroleum Products	**17**	**94,238**	**1,307**	**6,648**	**0**	**21,050**	**0**	**0**	**422**	**122,837**	**109,074**
Finished Motor Gasoline	0	51,570	64	5,116	0	12,748	0	0	52	69,446	50,683
Finished Leaded Motor Gasoline	0	13,651	4	1,293	0	3,776	0	0	1	18,723	17,572
Finished Unleaded Motor Gasoline	0	37,919	60	3,823	0	8,972	0	0	51	50,723	33,111
Finished Aviation Gasoline	0	165	0	-84	0	95	0	0	0	176	478
Naphtha-Type Jet Fuel	0	465	55	201	0	67	0	0	0	788	904
Kerosene-Type Jet Fuel	0	4,949	382	222	0	2,075	0	0	1	7,627	8,736
Kerosene	0	-37	0	73	0	-95	0	0	2	-61	1,904
Distillate Fuel Oil	0	19,169	456	-135	0	5,481	0	0	2	24,969	28,785
Residual Fuel Oil	0	1,756	166	92	0	-144	0	0	0	1,870	2,745
Naphtha and Other Oils for Petro. Feed. Use	0	1,608	79	-77	0	-13	0	0	94	1,503	363
Special Naphthas	0	391	58	43	0	220	0	0	2	710	549
Lubricants	0	776	15	5	0	410	0	0	84	1,122	2,204
Waxes	0	48	9	8	0	0	0	0	1	64	115
Petroleum Coke	0	3,158	0	486	0	0	0	0	181	3,463	2,277
Asphalt and Road Oil	0	5,572	17	839	0	206	0	0	2	6,632	8,933
Still Gas	0	4,251	0	0	0	0	0	0	0	4,251	0
Miscellaneous Products	17	397	6	-141	0	0	0	0	2	277	398
Total	**35,064**	**96,866**	**19,891**	**9,072**	**-2,274**	**66,014**	**0**	**93,147**	**913**	**130,572**	**229,487**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,937**	**0**	**16,162**	**-729**	**1,360**	**48,731**	**1**	**91,992**	**468**	**0**	**66,745**
Natural Gas Liquids and LRGs	**9,121**	**2,678**	**1,769**	**-1,327**	**0**	**124**	**0**	**3,241**	**550**	**8,574**	**34,200**
Liquefied Petroleum Gases	7,686	2,678	1,734	-941	0	-445	0	2,184	473	8,055	31,397
Pentanes Plus	1,435	0	35	-386	0	569	0	1,057	77	519	2,803
Other Liquids	**261**	**0**	**0**	**342**	**0**	**-40**	**0**	**1,678**	**0**	**-1,115**	**21,182**
Other Hydrocarbons and Alcohol	261	0	0	-3	0	0	0	258	0	0	73
Unfinished Oils	0	0	0	82	0	0	0	343	0	-261	13,970
Motor Gasoline Blending Components	0	0	0	281	0	-40	0	1,095	0	-854	7,064
Aviation Gasoline Blending Components	0	0	0	-18	0	0	0	-18	0	0	75
Finished Petroleum Products	**16**	**98,477**	**950**	**1,321**	**0**	**21,442**	**0**	**0**	**179**	**122,027**	**107,753**
Finished Motor Gasoline	0	53,333	115	1,079	0	14,300	0	0	58	68,769	49,604
Finished Leaded Motor Gasoline	0	14,471	10	685	0	3,604	0	0	2	18,768	16,887
Finished Unleaded Motor Gasoline	0	38,862	105	394	0	10,696	0	0	56	50,001	32,717
Finished Aviation Gasoline	0	99	0	-32	0	168	0	0	0	235	510
Naphtha-Type Jet Fuel	0	575	83	-67	0	109	0	0	0	700	971
Kerosene-Type Jet Fuel	0	4,884	0	37	0	2,010	0	0	3	6,928	8,699
Kerosene	0	-22	0	183	0	-111	0	0	2	48	1,721
Distillate Fuel Oil	0	19,709	382	-991	0	4,659	0	0	1	23,758	29,776
Residual Fuel Oil	0	1,933	276	-133	0	-168	0	0	1	1,907	2,878
Naphtha and Other Oils for Petro. Feed. Use	0	1,816	10	-68	0	4	0	0	41	1,721	431
Special Naphthas	0	487	43	-9	0	59	0	0	2	578	558
Lubricants	0	702	7	88	0	111	0	0	26	882	2,116
Waxes	0	32	10	24	0	0	0	0	2	64	91
Petroleum Coke	0	3,246	0	427	0	0	0	0	43	3,630	1,850
Asphalt and Road Oil	0	6,980	20	724	0	319	0	0	1	8,042	8,209
Still Gas	0	4,309	0	0	0	0	0	0	0	4,309	0
Miscellaneous Products	16	394	4	59	0	-18	0	0	1	454	339
Total	**36,335**	**101,155**	**18,881**	**-393**	**1,360**	**70,257**	**1**	**96,911**	**1,197**	**129,486**	**229,880**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,154**	**0**	**15,288**	**32**	**809**	**51,366**	**0**	**93,003**	**646**	**0**	**66,713**
Natural Gas Liquids and LRGs	**9,184**	**2,596**	**1,961**	**-1,361**	**0**	**912**	**0**	**3,558**	**664**	**9,071**	**35,561**
Liquefied Petroleum Gases	7,756	2,596	1,928	-1,409	0	170	0	2,257	583	8,201	32,806
Pentanes Plus	1,428	0	33	48	0	742	0	1,301	81	869	2,755
Other Liquids	**224**	**0**	**20**	**-443**	**0**	**-76**	**0**	**980**	**0**	**-1,255**	**21,625**
Other Hydrocarbons and Alcohol	224	0	0	-9	0	0	0	215	0	0	82
Unfinished Oils	0	0	20	40	0	0	0	264	0	-204	13,930
Motor Gasoline Blending Components	0	0	0	-434	0	-76	0	541	0	-1,051	7,498
Aviation Gasoline Blending Components	0	0	0	-40	0	0	0	-40	0	0	115
Finished Petroleum Products	**18**	**99,123**	**924**	**-4,820**	**0**	**23,874**	**0**	**0**	**322**	**118,797**	**112,573**
Finished Motor Gasoline	0	53,931	76	-2,759	0	15,600	0	0	58	66,790	52,363
Finished Leaded Motor Gasoline	0	13,398	10	-1,164	0	4,503	0	0	(s)	16,747	18,051
Finished Unleaded Motor Gasoline	0	40,533	66	-1,595	0	11,097	0	0	58	50,043	34,312
Finished Aviation Gasoline	0	126	0	15	0	138	0	0	0	279	495
Naphtha-Type Jet Fuel	0	425	79	53	0	94	0	0	0	651	918
Kerosene-Type Jet Fuel	0	5,548	69	-326	0	2,349	0	0	0	7,640	9,025
Kerosene	0	317	0	-77	0	-42	0	0	2	196	1,798
Distillate Fuel Oil	0	19,586	333	-2,111	0	5,624	0	0	1	23,431	31,887
Residual Fuel Oil	0	1,938	274	-156	0	-414	0	0	0	1,642	3,034
Naphtha and Other Oils for Petro. Feed. Use	0	1,597	10	-109	0	177	0	0	69	1,606	540
Special Naphthas	0	352	40	37	0	68	0	0	1	497	521
Lubricants	0	704	11	200	0	10	0	0	33	892	1,916
Waxes	0	57	13	-5	0	0	0	0	2	63	96
Petroleum Coke	0	3,223	0	79	0	0	0	0	152	3,150	1,771
Asphalt and Road Oil	0	6,652	16	427	0	270	0	0	3	7,362	7,782
Still Gas	0	4,344	0	0	0	0	0	0	0	4,344	0
Miscellaneous Products	18	323	3	-88	0	0	0	0	2	254	427
Total	**35,580**	**101,719**	**18,194**	**-6,592**	**809**	**76,076**	**0**	**97,541**	**1,632**	**126,613**	**236,472**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,904**	**0**	**14,588**	**-1,390**	**600**	**48,575**	**0**	**88,017**	**260**	**0**	**68,103**
Natural Gas Liquids and LRGs	**8,696**	**2,600**	**2,809**	**392**	**0**	**1,747**	**0**	**3,655**	**515**	**12,074**	**35,169**
Liquefied Petroleum Gases	7,346	2,600	2,786	350	0	964	0	2,471	445	11,130	32,456
Pentanes Plus	1,350	0	23	42	0	783	0	1,184	70	944	2,713
Other Liquids	**234**	**0**	**5**	**-436**	**0**	**-63**	**0**	**2,044**	**0**	**-2,304**	**22,061**
Other Hydrocarbons and Alcohol	234	0	0	4	0	0	0	238	0	0	78
Unfinished Oils	0	0	5	-245	0	0	0	668	0	-908	14,175
Motor Gasoline Blending Components	0	0	0	-227	0	-63	0	1,106	0	-1,396	7,725
Aviation Gasoline Blending Components	0	0	0	32	0	0	0	32	0	0	83
Finished Petroleum Products	**26**	**94,921**	**592**	**681**	**0**	**24,088**	**0**	**0**	**390**	**119,918**	**111,892**
Finished Motor Gasoline	0	50,986	38	-1,156	0	14,681	0	0	7	64,542	53,519
Finished Leaded Motor Gasoline	0	13,374	2	-15	0	3,554	0	0	1	16,914	18,066
Finished Unleaded Motor Gasoline	0	37,612	36	-1,141	0	11,127	0	0	5	47,629	35,453
Finished Aviation Gasoline	0	121	0	23	0	91	0	0	0	235	472
Naphtha-Type Jet Fuel	0	362	62	58	0	97	0	0	0	579	860
Kerosene-Type Jet Fuel	0	5,290	72	-13	0	1,627	0	0	70	6,906	9,038
Kerosene	0	574	0	-457	0	-81	0	0	2	34	2,255
Distillate Fuel Oil	0	19,311	217	379	0	7,020	0	0	62	26,865	31,508
Residual Fuel Oil	0	1,726	85	157	0	-296	0	0	0	1,672	2,877
Naphtha and Other Oils for Petro. Feed. Use	0	1,566	11	133	0	54	0	0	123	1,641	407
Special Naphthas	0	463	47	-39	0	145	0	0	2	614	560
Lubricants	0	813	12	-27	0	369	0	0	36	1,131	1,943
Waxes	0	35	27	8	0	0	0	0	2	68	88
Petroleum Coke	0	3,124	0	211	0	0	0	0	82	3,253	1,560
Asphalt and Road Oil	0	6,254	15	1,325	0	223	0	0	3	7,814	6,457
Still Gas	0	4,013	0	0	0	0	0	0	0	4,013	0
Miscellaneous Products	26	283	6	79	0	158	0	0	1	551	348
Total	**34,860**	**97,521**	**17,995**	**-753**	**600**	**74,347**	**0**	**93,716**	**1,165**	**129,688**	**237,225**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,849**	**0**	**14,843**	**-4,281**	**2,023**	**48,087**	**0**	**87,150**	**371**	**0**	**72,384**
Natural Gas Liquids and LRGs	**9,730**	**2,408**	**3,704**	**903**	**0**	**2,957**	**0**	**4,128**	**98**	**15,475**	**34,266**
Liquefied Petroleum Gases	8,263	2,408	3,671	789	0	2,184	0	2,745	96	14,474	31,667
Pentanes Plus	1,467	0	33	114	0	773	0	1,383	2	1,002	2,599
Other Liquids	**316**	**0**	**36**	**-2,637**	**0**	**-23**	**0**	**-228**	**0**	**-2,080**	**24,698**
Other Hydrocarbons and Alcohol	316	0	0	-58	0	0	0	258	0	0	136
Unfinished Oils	0	0	36	-3,090	0	44	0	-2,409	0	-601	17,265
Motor Gasoline Blending Components	0	0	0	557	0	-67	0	1,969	0	-1,479	7,168
Aviation Gasoline Blending Components	0	0	0	-46	0	0	0	-46	0	0	129
Finished Petroleum Products	**21**	**91,919**	**1,424**	**9,637**	**0**	**24,429**	**0**	**0**	**615**	**126,815**	**102,255**
Finished Motor Gasoline	0	49,695	73	3,203	0	15,567	0	0	136	68,402	50,316
Finished Leaded Motor Gasoline	0	12,584	7	1,202	0	3,900	0	0	3	17,690	16,864
Finished Unleaded Motor Gasoline	0	37,111	66	2,001	0	11,667	0	0	134	50,711	33,452
Finished Aviation Gasoline	0	149	0	-20	0	102	0	0	0	231	492
Naphtha-Type Jet Fuel	0	655	117	-179	0	76	0	0	0	669	1,039
Kerosene-Type Jet Fuel	0	5,027	780	304	0	2,760	0	0	0	8,871	8,734
Kerosene	0	757	0	-330	0	-83	0	0	2	342	2,585
Distillate Fuel Oil	0	19,033	277	4,793	0	5,744	0	0	98	29,749	26,715
Residual Fuel Oil	0	1,651	88	375	0	-346	0	0	0	1,768	2,502
Naphtha and Other Oils for Petro. Feed. Use	0	1,457	13	-41	0	70	0	0	52	1,447	448
Special Naphthas	0	459	46	17	0	144	0	0	5	661	543
Lubricants	0	637	6	189	0	209	0	0	35	1,006	1,754
Waxes	0	57	11	-11	0	0	0	0	2	55	99
Petroleum Coke	0	2,950	0	1,081	0	0	0	0	282	3,749	479
Asphalt and Road Oil	0	5,608	7	284	0	186	0	0	2	6,083	6,173
Still Gas	0	3,525	0	0	0	0	0	0	0	3,525	0
Miscellaneous Products	21	259	6	-28	0	0	0	0	2	256	376
Total	**36,916**	**94,327**	**20,007**	**3,622**	**2,023**	**75,450**	**0**	**91,050**	**1,084**	**140,211**	**233,603**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, November 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,214**	**0**	**14,057**	**-389**	**1,065**	**46,903**	**0**	**86,027**	**823**	**0**	**72,773**
Natural Gas Liquids and LRGs	**9,589**	**2,341**	**3,205**	**-927**	**0**	**3,087**	**0**	**5,014**	**498**	**11,784**	**35,193**
Liquefied Petroleum Gases	8,171	2,341	3,171	-786	0	2,174	0	3,504	430	11,137	32,453
Pentanes Plus	1,418	0	34	-141	0	913	0	1,510	67	647	2,740
Other Liquids	**556**	**0**	**0**	**915**	**0**	**-137**	**0**	**3,374**	**0**	**-2,040**	**23,783**
Other Hydrocarbons and Alcohol	556	0	0	33	0	0	0	589	0	0	103
Unfinished Oils	0	0	0	1,399	0	0	0	1,706	0	-307	15,866
Motor Gasoline Blending Components	0	0	0	-513	0	-137	0	1,083	0	-1,733	7,681
Aviation Gasoline Blending Components	0	0	0	-4	0	0	0	-4	0	0	133
Finished Petroleum Products	**18**	**95,598**	**676**	**-11,264**	**0**	**24,422**	**0**	**0**	**276**	**109,174**	**113,519**
Finished Motor Gasoline	0	51,939	57	-3,881	0	13,551	0	0	57	61,609	54,197
Finished Leaded Motor Gasoline	0	12,642	1	-1,723	0	3,304	0	0	2	14,222	18,587
Finished Unleaded Motor Gasoline	0	39,297	56	-2,158	0	10,247	0	0	55	47,387	35,610
Finished Aviation Gasoline	0	69	0	36	0	52	0	0	0	157	456
Naphtha-Type Jet Fuel	0	655	107	0	0	123	0	0	53	833	1,039
Kerosene-Type Jet Fuel	0	4,608	150	31	0	2,750	0	0	1	7,539	8,703
Kerosene	0	906	0	-353	0	-80	0	0	1	472	2,938
Distillate Fuel Oil	0	21,738	239	-6,389	0	7,266	0	0	2	22,852	33,104
Residual Fuel Oil	0	2,372	51	-626	0	-194	0	0	0	1,603	3,128
Naphtha and Other Oils for Petro. Feed. Use	0	1,267	9	-27	0	87	0	0	25	1,311	475
Special Naphthas	0	479	31	-27	0	185	0	0	6	662	570
Lubricants	0	714	9	-198	0	452	0	0	58	919	1,952
Waxes	0	47	14	0	0	0	0	0	3	58	99
Petroleum Coke	0	3,309	0	-39	0	0	0	0	70	3,200	518
Asphalt and Road Oil	0	3,438	3	278	0	140	0	0	1	3,858	5,895
Still Gas	0	3,769	0	0	0	0	0	0	0	3,769	0
Miscellaneous Products	18	288	6	-69	0	90	0	0	1	332	445
Total	**35,377**	**97,939**	**17,938**	**-11,665**	**1,065**	**74,275**	**0**	**94,415**	**1,596**	**118,918**	**245,268**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,041**	**0**	**14,750**	**-270**	**-190**	**47,794**	**0**	**87,706**	**419**	**0**	**73,043**
Natural Gas Liquids and LRGs	**9,300**	**2,328**	**2,847**	**2,661**	**0**	**2,917**	**0**	**5,324**	**555**	**14,175**	**32,532**
Liquefied Petroleum Gases	7,860	2,328	2,812	2,712	0	1,683	0	3,842	487	13,066	29,741
Pentanes Plus	1,440	0	35	-51	0	1,234	0	1,482	68	1,108	2,791
Other Liquids	**369**	**0**	**0**	**1,874**	**0**	**-93**	**0**	**3,797**	**0**	**-1,647**	**21,909**
Other Hydrocarbons and Alcohol	369	0	0	-83	0	0	0	286	0	0	186
Unfinished Oils	0	0	0	1,986	0	0	0	2,237	0	-251	13,880
Motor Gasoline Blending Components	0	0	0	-6	0	-93	0	1,266	0	-1,365	7,687
Aviation Gasoline Blending Components	0	0	0	-23	0	0	0	8	0	-31	156
Finished Petroleum Products	**18**	**98,248**	**489**	**-3,223**	**0**	**20,754**	**0**	**0**	**685**	**115,601**	**116,742**
Finished Motor Gasoline	0	52,993	63	700	0	12,309	0	0	39	66,026	53,497
Finished Leaded Motor Gasoline	0	11,050	3	752	0	2,777	0	0	4	14,578	17,835
Finished Unleaded Motor Gasoline	0	41,943	60	-52	0	9,532	0	0	35	51,448	35,662
Finished Aviation Gasoline	0	113	0	-239	0	112	0	0	0	-14	695
Naphtha-Type Jet Fuel	0	577	76	-288	0	-7	0	0	0	358	1,327
Kerosene-Type Jet Fuel	0	5,934	0	-159	0	3,002	0	0	(s)	8,777	8,862
Kerosene	0	912	0	231	0	-67	0	0	191	885	2,707
Distillate Fuel Oil	0	22,123	132	-1,538	0	5,542	0	0	51	26,208	34,642
Residual Fuel Oil	0	2,203	134	90	0	-658	0	0	0	1,769	3,038
Naphtha and Other Oils for Petro. Feed. Use	0	1,616	12	59	0	62	0	0	47	1,702	416
Special Naphthas	0	412	50	-75	0	159	0	0	3	543	645
Lubricants	0	726	9	-173	0	319	0	0	62	819	2,125
Waxes	0	53	10	0	0	0	0	0	118	-55	99
Petroleum Coke	0	3,661	0	-357	0	0	0	0	152	3,152	875
Asphalt and Road Oil	0	2,677	0	-1,410	0	-10	0	0	19	1,238	7,305
Still Gas	0	3,972	0	0	0	0	0	0	0	3,972	0
Miscellaneous Products	18	276	3	-64	0	-9	0	0	1	223	509
Total	**35,728**	**100,576**	**18,086**	**1,042**	**-190**	**71,372**	**0**	**96,827**	**1,658**	**128,129**	**244,226**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**121,473**	**0**	**87,376**	**-11,176**	**4,861**	**-18,836**	**9**	**183,689**	**0**	**0**	**669,445**
Natural Gas Liquids and LRGs	**33,939**	**8,300**	**422**	**9,845**	**0**	**-4,842**	**0**	**9,995**	**642**	**37,027**	**60,021**
Liquefied Petroleum Gases	28,601	8,300	422	9,829	0	-4,296	0	6,851	642	35,363	55,849
Pentanes Plus	5,338	0	0	16	0	-546	0	3,144	0	1,664	4,172
Other Liquids	**1,679**	**0**	**2,010**	**-1,904**	**0**	**-34**	**0**	**5,455**	**0**	**-3,704**	**63,914**
Other Hydrocarbons and Alcohol	1,679	0	0	-38	0	0	0	1,641	0	0	322
Unfinished Oils	0	0	1,909	-1,312	0	-9	0	2,013	0	-1,425	46,482
Motor Gasoline Blending Components	0	0	101	-536	0	-25	0	1,819	0	-2,279	16,959
Aviation Gasoline Blending Components	0	0	0	-18	0	0	0	-18	0	0	151
Finished Petroleum Products	**122**	**201,053**	**3,569**	**2,595**	**0**	**-106,585**	**0**	**0**	**8,772**	**91,982**	**130,714**
Finished Motor Gasoline	10	92,861	626	1,286	0	-60,408	0	0	733	33,642	51,346
Finished Leaded Motor Gasoline	9	24,252	0	784	0	-14,851	0	0	401	9,793	16,604
Finished Unleaded Motor Gasoline	1	68,609	626	502	0	-45,557	0	0	332	23,849	34,742
Finished Aviation Gasoline	0	506	24	-125	0	-248	0	0	0	157	818
Naphtha-Type Jet Fuel	0	2,763	0	-367	0	-548	0	0	24	1,824	2,689
Kerosene-Type Jet Fuel	0	18,650	0	-306	0	-14,084	0	0	1,122	3,138	15,527
Kerosene	0	2,294	458	61	0	-1,268	0	0	(s)	1,545	2,055
Distillate Fuel Oil	50	41,677	200	2,867	0	-28,522	0	0	2,150	14,122	27,676
Residual Fuel Oil	0	10,102	838	142	0	-433	0	0	2,391	8,258	11,893
Naphtha and Other Oils for Petro. Feed. Use	0	8,762	1,187	152	0	30	0	0	480	9,651	2,776
Special Naphthas	0	1,180	224	106	0	-257	0	0	2	1,251	1,465
Lubricants	0	3,036	0	-344	0	-573	0	0	286	1,833	6,337
Waxes	0	268	2	17	0	-10	0	0	14	263	404
Petroleum Coke	0	7,287	0	-730	0	0	0	0	1,565	4,992	2,180
Asphalt and Road Oil	0	1,906	10	-136	0	-208	0	0	1	1,571	4,095
Still Gas	0	8,413	0	0	0	0	0	0	0	8,413	0
Miscellaneous Products	62	1,348	0	-28	0	-56	0	0	3	1,323	1,453
Total	**157,213**	**209,353**	**93,377**	**-640**	**4,861**	**-130,297**	**9**	**199,139**	**9,414**	**125,305**	**924,094**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**110,488**	**0**	**62,472**	**2,547**	**695**	**-20,834**	**0**	**155,368**	**0**	**0**	**666,898**
Natural Gas Liquids and LRGs	**30,687**	**7,079**	**800**	**4,455**	**0**	**-3,483**	**0**	**7,776**	**439**	**31,323**	**55,566**
Liquefied Petroleum Gases	25,934	7,079	800	4,493	0	-3,153	0	4,988	439	29,726	51,356
Pentanes Plus	4,753	0	0	-38	0	-330	0	2,788	0	1,597	4,210
Other Liquids	**1,165**	**0**	**5,454**	**-4,491**	**0**	**-306**	**0**	**3,759**	**0**	**-1,937**	**68,405**
Other Hydrocarbons and Alcohol	1,165	0	0	48	0	0	0	1,213	0	0	274
Unfinished Oils	0	0	5,333	-3,185	0	-283	0	1,935	0	-70	49,667
Motor Gasoline Blending Components	0	0	121	-1,320	0	-23	0	645	0	-1,867	18,279
Aviation Gasoline Blending Components	0	0	0	-34	0	0	0	-34	0	0	185
Finished Petroleum Products	**112**	**167,844**	**5,466**	**120**	**0**	**-81,815**	**0**	**0**	**9,137**	**82,590**	**130,594**
Finished Motor Gasoline	12	78,413	710	-3,241	0	-45,140	0	0	504	30,250	54,587
Finished Leaded Motor Gasoline	11	19,902	0	-459	0	-10,537	0	0	438	8,479	17,063
Finished Unleaded Motor Gasoline	1	58,511	710	-2,782	0	-34,603	0	0	66	21,771	37,524
Finished Aviation Gasoline	0	394	0	-30	0	-231	0	0	0	133	848
Naphtha-Type Jet Fuel	0	2,552	0	273	0	-747	0	0	(s)	2,078	2,416
Kerosene-Type Jet Fuel	0	15,283	0	1,305	0	-11,581	0	0	436	4,571	14,222
Kerosene	0	1,333	525	-76	0	-934	0	0	0	848	2,131
Distillate Fuel Oil	44	33,627	189	30	0	-21,493	0	0	1,094	11,303	27,646
Residual Fuel Oil	0	7,183	841	1,529	0	-192	0	0	1,983	7,378	10,364
Naphtha and Other Oils for Petro. Feed. Use	0	8,487	2,231	-39	0	13	0	0	27	10,665	2,815
Special Naphthas	0	1,142	722	-88	0	-366	0	0	5	1,405	1,553
Lubricants	0	2,569	138	203	0	-504	0	0	553	1,853	6,134
Waxes	0	266	9	-7	0	-3	0	0	60	205	411
Petroleum Coke	0	6,419	30	214	0	0	0	0	4,445	2,218	1,966
Asphalt and Road Oil	0	1,834	71	-42	0	-491	0	0	(s)	1,372	4,137
Still Gas	0	7,298	0	0	0	0	0	0	0	7,298	0
Miscellaneous Products	56	1,044	0	89	0	-146	0	0	30	1,013	1,364
Total	**142,452**	**174,923**	**74,192**	**2,631**	**695**	**-106,438**	**0**	**166,903**	**9,576**	**111,976**	**921,463**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**121,984**	**0**	**63,813**	**-3,720**	**6,926**	**-16,921**	**3**	**172,079**	**0**	**0**	**670,618**
Natural Gas Liquids and LRGs	**33,766**	**8,354**	**322**	**360**	**0**	**-3,547**	**0**	**7,362**	**840**	**31,053**	**55,206**
Liquefied Petroleum Gases	28,463	8,354	322	810	0	-3,030	0	4,309	840	29,770	50,546
Pentanes Plus	5,303	0	0	-450	0	-517	0	3,053	0	1,283	4,660
Other Liquids	**1,535**	**0**	**5,537**	**-6,320**	**0**	**-759**	**0**	**6,209**	**0**	**-6,216**	**74,725**
Other Hydrocarbons and Alcohol	1,535	0	0	-82	0	0	0	1,453	0	0	356
Unfinished Oils	0	0	5,010	-5,258	0	-529	0	4,016	0	-4,793	54,925
Motor Gasoline Blending Components	0	0	527	-1,027	0	-230	0	693	0	-1,423	19,306
Aviation Gasoline Blending Components	0	0	0	47	0	0	0	47	0	0	138
Finished Petroleum Products	**118**	**186,789**	**4,956**	**6,013**	**0**	**-92,681**	**0**	**0**	**6,671**	**98,524**	**124,581**
Finished Motor Gasoline	10	90,648	530	1,335	0	-54,748	0	0	248	37,527	53,252
Finished Leaded Motor Gasoline	9	20,857	0	1,946	0	-11,657	0	0	167	10,988	15,117
Finished Unleaded Motor Gasoline	1	69,791	530	-611	0	-43,091	0	0	81	26,539	38,135
Finished Aviation Gasoline	0	355	0	67	0	-224	0	0	0	198	781
Naphtha-Type Jet Fuel	0	2,902	0	7	0	-555	0	0	(s)	2,354	2,409
Kerosene-Type Jet Fuel	0	16,416	0	-91	0	-13,211	0	0	77	3,037	14,313
Kerosene	0	1,170	0	528	0	-453	0	0	0	1,245	1,603
Distillate Fuel Oil	50	34,421	881	3,694	0	-21,194	0	0	618	17,234	23,952
Residual Fuel Oil	0	7,307	916	-274	0	-342	0	0	740	6,867	10,638
Naphtha and Other Oils for Petro. Feed. Use	0	9,219	2,153	325	0	-53	0	0	335	11,309	2,490
Special Naphthas	0	1,319	459	36	0	-528	0	0	6	1,280	1,517
Lubricants	0	2,906	5	602	0	-979	0	0	415	2,119	5,532
Waxes	0	298	5	-5	0	-4	0	0	21	273	416
Petroleum Coke	0	6,664	0	91	0	0	0	0	4,181	2,574	1,875
Asphalt and Road Oil	0	2,943	7	-308	0	-352	0	0	21	2,269	4,445
Still Gas	0	9,089	0	0	0	0	0	0	0	9,089	0
Miscellaneous Products	58	1,132	0	6	0	-38	0	0	8	1,150	1,358
Total	**157,403**	**195,143**	**74,628**	**-3,667**	**6,926**	**-113,908**	**3**	**185,650**	**7,511**	**123,361**	**925,130**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**117,022**	**0**	**67,649**	**-3,793**	**2,255**	**-21,810**	**0**	**161,323**	**0**	**0**	**674,411**
Natural Gas Liquids and LRGs	**32,983**	**8,117**	**860**	**-3,093**	**0**	**-1,337**	**0**	**7,593**	**406**	**29,532**	**58,299**
Liquefied Petroleum Gases	27,732	8,117	608	-2,832	0	-732	0	4,351	406	28,137	53,378
Pentanes Plus	5,251	0	252	-261	0	-605	0	3,242	0	1,395	4,921
Other Liquids	**1,027**	**0**	**4,327**	**10,556**	**0**	**-16**	**0**	**19,640**	**0**	**-3,746**	**64,169**
Other Hydrocarbons and Alcohol	1,027	0	0	52	0	0	0	1,079	0	0	304
Unfinished Oils	0	0	4,327	7,479	0	-50	0	15,132	0	-3,376	47,446
Motor Gasoline Blending Components	0	0	0	3,056	0	34	0	3,460	0	-370	16,250
Aviation Gasoline Blending Components	0	0	0	-31	0	0	0	-31	0	0	169
Finished Petroleum Products	**116**	**190,234**	**4,021**	**4,671**	**0**	**-90,889**	**0**	**0**	**6,729**	**101,424**	**119,910**
Finished Motor Gasoline	10	95,667	516	1,456	0	-57,519	0	0	699	39,431	51,796
Finished Leaded Motor Gasoline	9	22,623	0	1,205	0	-12,814	0	0	124	10,899	13,912
Finished Unleaded Motor Gasoline	1	73,044	516	251	0	-44,705	0	0	575	28,532	37,884
Finished Aviation Gasoline	0	282	0	202	0	-282	0	0	0	202	579
Naphtha-Type Jet Fuel	0	2,788	0	96	0	-940	0	0	0	1,944	2,313
Kerosene-Type Jet Fuel	0	14,810	0	880	0	-10,805	0	0	70	4,815	13,433
Kerosene	0	651	160	-103	0	-135	0	0	0	573	1,706
Distillate Fuel Oil	44	33,626	296	1,336	0	-18,860	0	0	642	15,800	22,616
Residual Fuel Oil	0	7,235	353	1,357	0	-105	0	0	1,377	7,463	9,281
Naphtha and Other Oils for Petro. Feed. Use	0	10,544	2,154	-305	0	-83	0	0	143	12,167	2,795
Special Naphthas	0	977	410	-50	0	-344	0	0	275	718	1,567
Lubricants	0	3,294	69	224	0	-1,014	0	0	458	2,115	5,308
Waxes	0	273	0	9	0	0	0	0	29	253	407
Petroleum Coke	0	6,477	34	-517	0	0	0	0	3,032	2,962	2,392
Asphalt and Road Oil	0	3,118	10	67	0	-662	0	0	(s)	2,533	4,378
Still Gas	0	9,428	0	0	0	0	0	0	0	9,428	0
Miscellaneous Products	62	1,064	19	19	0	-140	0	0	3	1,021	1,339
Total	**151,148**	**198,351**	**76,857**	**8,341**	**2,255**	**-114,052**	**0**	**188,556**	**7,134**	**127,210**	**916,789**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**118,236**	**0**	**71,954**	**1,756**	**-759**	**-17,216**	**6**	**173,965**	**0**	**0**	**672,655**
Natural Gas Liquids and LRGs	**33,840**	**8,120**	**1,594**	**-4,620**	**0**	**8**	**0**	**8,225**	**508**	**30,209**	**62,919**
Liquefied Petroleum Gases	28,227	8,120	1,594	-4,433	0	349	0	4,574	508	28,775	57,811
Pentanes Plus	5,613	0	0	-187	0	-341	0	3,651	0	1,434	5,108
Other Liquids	**1,104**	**0**	**6,737**	**763**	**0**	**-310**	**0**	**11,977**	**0**	**-3,683**	**63,406**
Other Hydrocarbons and Alcohol	1,104	0	0	5	0	0	0	1,109	0	0	299
Unfinished Oils	0	0	6,460	744	0	-203	0	10,380	0	-3,379	46,702
Motor Gasoline Blending Components	0	0	277	13	0	-107	0	478	0	-295	16,237
Aviation Gasoline Blending Components	0	0	0	1	0	0	0	10	0	-9	168
Finished Petroleum Products	**113**	**195,856**	**4,820**	**-427**	**0**	**-92,727**	**0**	**0**	**7,363**	**100,272**	**120,337**
Finished Motor Gasoline	10	96,109	408	1,667	0	-59,954	0	0	1,108	37,132	50,129
Finished Leaded Motor Gasoline	9	22,817	0	-769	0	-12,202	0	0	170	9,685	14,681
Finished Unleaded Motor Gasoline	1	73,292	408	2,436	0	-47,752	0	0	938	27,447	35,448
Finished Aviation Gasoline	0	439	0	16	0	-200	0	0	0	255	563
Naphtha-Type Jet Fuel	0	3,160	0	-402	0	-677	0	0	0	2,081	2,715
Kerosene-Type Jet Fuel	0	15,069	0	551	0	-11,368	0	0	62	4,190	12,882
Kerosene	0	992	0	-6	0	17	0	0	0	1,003	1,712
Distillate Fuel Oil	47	35,254	118	-1,361	0	-18,783	0	0	109	15,166	23,977
Residual Fuel Oil	0	8,139	1,759	-1,826	0	217	0	0	754	7,535	11,107
Naphtha and Other Oils for Petro. Feed. Use	0	11,533	1,755	-118	0	24	0	0	602	12,592	2,913
Special Naphthas	0	1,190	750	161	0	-500	0	0	13	1,588	1,406
Lubricants	0	2,884	1	470	0	-824	0	0	415	2,116	4,838
Waxes	0	249	5	6	0	-2	0	0	14	244	401
Petroleum Coke	0	6,864	0	-4	0	0	0	0	4,255	2,605	2,396
Asphalt and Road Oil	0	3,124	20	366	0	-627	0	0	(s)	2,883	4,012
Still Gas	0	9,759	0	0	0	0	0	0	0	9,759	0
Miscellaneous Products	56	1,091	4	53	0	-50	0	0	31	1,123	1,286
Total	**153,293**	**203,976**	**85,105**	**-2,528**	**-759**	**-110,245**	**6**	**194,167**	**7,871**	**126,798**	**919,317**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**113,321**	**0**	**85,288**	**-8,467**	**7,993**	**-18,925**	**4**	**179,206**	**0**	**0**	**681,122**
Natural Gas Liquids and LRGs	**32,542**	**7,644**	**1,017**	**-4,721**	**0**	**-236**	**0**	**7,656**	**496**	**28,094**	**67,640**
Liquefied Petroleum Gases	27,015	7,644	1,017	-3,930	0	-216	0	4,449	496	26,585	61,741
Pentanes Plus	5,527	0	0	-791	0	-20	0	3,207	0	1,509	5,899
Other Liquids	**1,038**	**0**	**10,629**	**-2,592**	**0**	**-342**	**0**	**12,407**	**0**	**-3,674**	**65,998**
Other Hydrocarbons and Alcohol	1,038	0	0	6	0	0	0	1,044	0	0	293
Unfinished Oils	0	0	10,629	-3,010	0	-162	0	10,126	0	-2,669	49,712
Motor Gasoline Blending Components	0	0	0	372	0	-180	0	1,197	0	-1,005	15,865
Aviation Gasoline Blending Components	0	0	0	40	0	0	0	40	0	0	128
Finished Petroleum Products	**112**	**199,415**	**3,820**	**-2,533**	**0**	**-92,261**	**0**	**0**	**6,674**	**101,879**	**122,870**
Finished Motor Gasoline	10	97,389	579	-893	0	-59,029	0	0	946	37,110	51,022
Finished Leaded Motor Gasoline	9	21,712	0	545	0	-12,099	0	0	291	9,876	14,136
Finished Unleaded Motor Gasoline	1	75,677	579	-1,438	0	-46,930	0	0	655	27,234	36,886
Finished Aviation Gasoline	0	674	0	-66	0	-321	0	0	0	287	629
Naphtha-Type Jet Fuel	0	3,078	0	278	0	-753	0	0	0	2,603	2,437
Kerosene-Type Jet Fuel	0	14,799	0	-880	0	-11,858	0	0	70	1,991	13,762
Kerosene	0	1,064	0	139	0	38	0	0	0	1,241	1,573
Distillate Fuel Oil	45	36,117	0	-1,063	0	-17,924	0	0	581	16,594	25,040
Residual Fuel Oil	0	9,876	217	-467	0	-271	0	0	598	8,757	11,574
Naphtha and Other Oils for Petro. Feed. Use	0	10,694	1,962	-130	0	59	0	0	475	12,110	3,043
Special Naphthas	0	1,144	781	-100	0	-450	0	0	7	1,368	1,506
Lubricants	0	3,172	94	193	0	-962	0	0	445	2,052	4,645
Waxes	0	235	13	17	0	-5	0	0	9	251	384
Petroleum Coke	0	6,815	0	466	0	0	0	0	3,507	3,774	1,930
Asphalt and Road Oil	0	4,093	163	34	0	-714	0	0	1	3,575	3,978
Still Gas	0	9,320	0	0	0	0	0	0	0	9,320	0
Miscellaneous Products	57	945	11	-61	0	-71	0	0	34	847	1,347
Total	**147,013**	**207,059**	**100,754**	**-18,313**	**7,993**	**-111,764**	**4**	**199,269**	**7,170**	**126,299**	**937,630**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**117,022**	**0**	**103,765**	**-3,502**	**-1,854**	**-27,212**	**1**	**188,218**	**0**	**0**	**684,624**
Natural Gas Liquids and LRGs	**33,466**	**8,759**	**2,884**	**-2,486**	**0**	**132**	**0**	**8,458**	**367**	**33,930**	**70,126**
Liquefied Petroleum Gases	27,638	8,759	2,884	-2,570	0	505	0	4,278	367	32,571	64,311
Pentanes Plus	5,828	0	0	84	0	-373	0	4,180	0	1,359	5,815
Other Liquids	**1,313**	**0**	**6,376**	**1,952**	**0**	**-765**	**0**	**10,807**	**0**	**-1,931**	**64,046**
Other Hydrocarbons and Alcohol	1,313	0	0	42	0	0	0	1,355	0	0	251
Unfinished Oils	0	0	6,064	1,912	0	-234	0	9,726	0	-1,984	47,800
Motor Gasoline Blending Components	0	0	312	14	0	-531	0	-258	0	53	15,851
Aviation Gasoline Blending Components	0	0	0	-16	0	0	0	-16	0	0	144
Finished Petroleum Products	**99**	**207,135**	**3,972**	**-2,651**	**0**	**-95,155**	**0**	**0**	**6,125**	**107,275**	**125,521**
Finished Motor Gasoline	9	98,744	116	3,472	0	-62,255	0	0	344	39,742	47,550
Finished Leaded Motor Gasoline	8	21,488	0	789	0	-11,995	0	0	154	10,136	13,347
Finished Unleaded Motor Gasoline	1	77,256	116	2,683	0	-50,260	0	0	190	29,606	34,203
Finished Aviation Gasoline	0	500	13	82	0	-323	0	0	0	272	547
Naphtha-Type Jet Fuel	0	3,632	0	-167	0	-885	0	0	(s)	2,580	2,604
Kerosene-Type Jet Fuel	0	16,726	32	-427	0	-11,323	0	0	81	4,927	14,189
Kerosene	0	1,438	0	-507	0	64	0	0	(s)	995	2,080
Distillate Fuel Oil	36	37,902	625	-2,528	0	-18,315	0	0	571	17,149	27,568
Residual Fuel Oil	0	10,536	1,249	-1,826	0	40	0	0	1,324	8,675	13,400
Naphtha and Other Oils for Petro. Feed. Use	0	10,804	1,698	-28	0	-2	0	0	202	12,270	3,071
Special Naphthas	0	1,066	125	-168	0	-472	0	0	6	545	1,674
Lubricants	0	3,120	65	-207	0	-520	0	0	402	2,056	4,852
Waxes	0	222	0	44	0	-8	0	0	12	246	340
Petroleum Coke	0	7,061	0	-222	0	0	0	0	3,170	3,669	2,152
Asphalt and Road Oil	0	4,767	45	-43	0	-1,071	0	0	1	3,697	4,021
Still Gas	0	9,524	0	0	0	0	0	0	0	9,524	0
Miscellaneous Products	54	1,093	4	-126	0	-85	0	0	11	929	1,473
Total	**151,900**	**215,894**	**116,997**	**-6,687**	**-1,854**	**-123,000**	**1**	**207,483**	**6,491**	**139,274**	**944,317**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**116,514**	**0**	**106,674**	**-10,469**	**2,347**	**-29,925**	**1**	**185,140**	**0**	**0**	**695,093**
Natural Gas Liquids and LRGs	**33,093**	**7,768**	**3,077**	**-4,821**	**0**	**-914**	**0**	**8,346**	**307**	**29,550**	**74,947**
Liquefied Petroleum Gases	27,256	7,768	3,077	-5,401	0	-385	0	4,410	307	27,598	69,712
Pentanes Plus	5,837	0	0	580	0	-529	0	3,936	0	1,952	5,235
Other Liquids	**1,385**	**0**	**6,292**	**-2,905**	**0**	**-229**	**0**	**8,299**	**0**	**-3,756**	**66,951**
Other Hydrocarbons and Alcohol	1,385	0	0	-41	0	0	0	1,344	0	0	292
Unfinished Oils	0	0	6,065	-2,843	0	-47	0	5,873	0	-2,698	50,643
Motor Gasoline Blending Components	0	0	227	-78	0	-182	0	1,025	0	-1,058	15,929
Aviation Gasoline Blending Components	0	0	0	57	0	0	0	57	0	0	87
Finished Petroleum Products	**101**	**202,939**	**5,039**	**-2,652**	**0**	**-97,820**	**0**	**0**	**6,839**	**100,768**	**128,173**
Finished Motor Gasoline	10	95,917	1,645	-71	0	-60,146	0	0	509	36,846	47,621
Finished Leaded Motor Gasoline	9	20,695	0	320	0	-12,329	0	0	398	8,297	13,027
Finished Unleaded Motor Gasoline	1	75,222	1,645	-391	0	-47,817	0	0	111	28,549	34,594
Finished Aviation Gasoline	0	560	0	-12	0	-341	0	0	0	207	559
Naphtha-Type Jet Fuel	0	3,397	0	-36	0	-782	0	0	(s)	2,579	2,640
Kerosene-Type Jet Fuel	0	17,814	55	-1,801	0	-12,312	0	0	37	3,719	15,990
Kerosene	0	1,462	232	-178	0	-261	0	0	0	1,255	2,258
Distillate Fuel Oil	40	38,287	0	-1,937	0	-20,994	0	0	328	15,068	29,505
Residual Fuel Oil	0	9,337	489	1,332	0	-768	0	0	1,754	8,636	12,068
Naphtha and Other Oils for Petro. Feed. Use	0	10,157	1,618	-156	0	-106	0	0	608	10,905	3,227
Special Naphthas	0	1,098	933	61	0	-338	0	0	8	1,746	1,613
Lubricants	0	3,244	14	-282	0	-678	0	0	346	1,952	5,134
Waxes	0	290	2	-27	0	-8	0	0	7	250	367
Petroleum Coke	0	7,072	2	52	0	0	0	0	3,221	3,905	2,100
Asphalt and Road Oil	0	4,329	49	309	0	-1,065	0	0	(s)	3,622	3,712
Still Gas	0	8,916	0	0	0	0	0	0	0	8,916	0
Miscellaneous Products	51	1,059	0	94	0	-21	0	0	21	1,162	1,379
Total	**151,093**	**210,707**	**121,082**	**-20,847**	**2,347**	**-128,888**	**1**	**201,785**	**7,146**	**126,562**	**965,164**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**113,340**	**0**	**96,807**	**-3,173**	**89**	**-29,068**	**1**	**177,994**	**0**	**0**	**698,266**
Natural Gas Liquids and LRGs	**32,482**	**7,694**	**4,685**	**-2,289**	**0**	**-3,091**	**0**	**7,778**	**1,159**	**30,543**	**77,236**
Liquefied Petroleum Gases	26,954	7,694	4,685	-2,059	0	-2,497	0	4,493	1,159	29,124	71,771
Pentanes Plus	5,528	0	0	-230	0	-594	0	3,285	0	1,419	5,465
Other Liquids	**1,206**	**0**	**5,616**	**2,811**	**0**	**-424**	**0**	**12,953**	**0**	**-3,744**	**64,140**
Other Hydrocarbons and Alcohol	1,206	0	0	92	0	0	0	1,298	0	0	200
Unfinished Oils	0	0	5,500	2,613	0	-184	0	10,390	0	-2,461	48,030
Motor Gasoline Blending Components	0	0	116	107	0	-240	0	1,266	0	-1,283	15,822
Aviation Gasoline Blending Components	0	0	0	-1	0	0	0	-1	0	0	88
Finished Petroleum Products	**98**	**201,161**	**4,829**	**-2,385**	**0**	**-95,227**	**0**	**0**	**10,250**	**98,226**	**130,558**
Finished Motor Gasoline	11	94,825	502	-2,986	0	-56,769	0	0	647	34,936	50,607
Finished Leaded Motor Gasoline	10	20,066	148	-464	0	-10,732	0	0	194	8,834	13,491
Finished Unleaded Motor Gasoline	1	74,759	354	-2,522	0	-46,037	0	0	454	26,101	37,116
Finished Aviation Gasoline	0	572	0	-87	0	-321	0	0	0	164	646
Naphtha-Type Jet Fuel	0	3,332	0	41	0	-671	0	0	21	2,681	2,599
Kerosene-Type Jet Fuel	0	17,865	78	-1,051	0	-13,147	0	0	873	2,872	17,041
Kerosene	0	1,808	241	-241	0	-187	0	0	0	1,621	2,499
Distillate Fuel Oil	34	38,262	0	88	0	-21,406	0	0	1,441	15,537	29,417
Residual Fuel Oil	0	9,649	630	1,170	0	-376	0	0	1,544	9,529	10,898
Naphtha and Other Oils for Petro. Feed. Use	0	8,980	2,374	549	0	-4	0	0	313	11,586	2,678
Special Naphthas	0	1,204	816	-58	0	-333	0	0	14	1,615	1,671
Lubricants	0	3,271	134	-389	0	-977	0	0	388	1,651	5,523
Waxes	0	232	0	24	0	-7	0	0	14	235	343
Petroleum Coke	0	6,827	29	443	0	0	0	0	4,980	2,319	1,657
Asphalt and Road Oil	0	4,029	21	-25	0	-846	0	0	1	3,178	3,737
Still Gas	0	9,201	0	0	0	0	0	0	0	9,201	0
Miscellaneous Products	53	1,104	4	137	0	-183	0	0	15	1,100	1,242
Total	**147,126**	**208,855**	**111,937**	**-5,036**	**89**	**-127,810**	**1**	**198,725**	**11,409**	**125,026**	**970,200**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**117,779**	**0**	**101,201**	**-5,569**	**-3,161**	**-26,677**	**5**	**183,568**	**0**	**0**	**703,835**
Natural Gas Liquids and LRGs	**33,280**	**7,777**	**2,092**	**1,105**	**0**	**-4,534**	**0**	**9,028**	**502**	**30,191**	**76,131**
Liquefied Petroleum Gases	27,560	7,777	2,092	662	0	-3,955	0	5,282	502	28,353	71,109
Pentanes Plus	5,720	0	0	443	0	-579	0	3,746	0	1,838	5,022
Other Liquids	**1,317**	**0**	**5,355**	**923**	**0**	**-504**	**0**	**12,851**	**0**	**-5,760**	**63,217**
Other Hydrocarbons and Alcohol	1,317	0	0	-36	0	0	0	1,281	0	0	236
Unfinished Oils	0	0	5,116	1,389	0	-291	0	11,659	0	-5,445	46,641
Motor Gasoline Blending Components	0	0	239	-434	0	-213	0	-93	0	-315	16,256
Aviation Gasoline Blending Components	0	0	0	4	0	0	0	4	0	0	84
Finished Petroleum Products	**98**	**207,464**	**4,643**	**437**	**0**	**-103,657**	**0**	**0**	**8,298**	**100,687**	**130,121**
Finished Motor Gasoline	11	95,775	0	1,804	0	-60,876	0	0	314	36,400	48,803
Finished Leaded Motor Gasoline	10	19,740	0	1,089	0	-11,630	0	0	144	9,065	12,402
Finished Unleaded Motor Gasoline	1	76,035	0	715	0	-49,246	0	0	170	27,335	36,401
Finished Aviation Gasoline	0	437	0	74	0	-329	0	0	0	182	572
Naphtha-Type Jet Fuel	0	3,500	0	-156	0	-998	0	0	0	2,346	2,755
Kerosene-Type Jet Fuel	0	19,141	168	1,009	0	-14,765	0	0	952	4,601	16,032
Kerosene	0	2,405	707	-144	0	-714	0	0	(s)	2,254	2,643
Distillate Fuel Oil	38	41,385	0	1,198	0	-23,922	0	0	406	18,293	28,219
Residual Fuel Oil	0	10,006	909	-2,199	0	-58	0	0	1,793	6,865	13,097
Naphtha and Other Oils for Petro. Feed. Use	0	8,969	2,634	-107	0	-27	0	0	215	11,254	2,785
Special Naphthas	0	1,166	169	-134	0	-421	0	0	6	774	1,805
Lubricants	0	3,415	24	-455	0	-800	0	0	296	1,888	5,978
Waxes	0	290	0	-21	0	-5	0	0	21	243	364
Petroleum Coke	0	7,225	6	-416	0	0	0	0	4,287	2,528	2,073
Asphalt and Road Oil	0	3,536	17	88	0	-721	0	0	1	2,919	3,649
Still Gas	0	9,153	0	0	0	0	0	0	0	9,153	0
Miscellaneous Products	49	1,061	9	-104	0	-21	0	0	7	987	1,346
Total	**152,474**	**215,241**	**113,291**	**-3,104**	**-3,161**	**-135,372**	**5**	**205,447**	**8,800**	**125,117**	**973,304**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**113,514**	**0**	**96,175**	**-8,061**	**-141**	**-20,518**	**4**	**180,965**	**0**	**0**	**711,896**
Natural Gas Liquids and LRGs	**32,452**	**7,625**	**1,244**	**5,419**	**0**	**-5,120**	**0**	**9,004**	**478**	**32,138**	**70,712**
Liquefied Petroleum Gases	27,112	7,625	1,244	4,961	0	-4,418	0	5,740	478	30,306	66,148
Pentanes Plus	5,340	0	0	458	0	-702	0	3,264	0	1,832	4,564
Other Liquids	**1,144**	**0**	**4,821**	**-226**	**0**	**-442**	**0**	**10,318**	**0**	**-5,021**	**63,443**
Other Hydrocarbons and Alcohol	1,144	0	0	-51	0	0	0	1,093	0	0	287
Unfinished Oils	0	0	4,337	3	0	-266	0	8,317	0	-4,243	46,638
Motor Gasoline Blending Components	0	0	484	-183	0	-176	0	903	0	-778	16,439
Aviation Gasoline Blending Components	0	0	0	5	0	0	0	5	0	0	79
Finished Petroleum Products	**115**	**201,467**	**3,888**	**-1,460**	**0**	**-103,767**	**0**	**0**	**7,920**	**92,323**	**131,581**
Finished Motor Gasoline	10	93,238	119	673	0	-56,944	0	0	650	36,446	48,130
Finished Leaded Motor Gasoline	9	18,597	0	193	0	-10,343	0	0	143	8,313	12,209
Finished Unleaded Motor Gasoline	1	74,641	119	480	0	-46,601	0	0	508	28,132	35,921
Finished Aviation Gasoline	0	309	0	-68	0	-195	0	0	0	46	640
Naphtha-Type Jet Fuel	0	3,244	0	156	0	-1,020	0	0	0	2,380	2,599
Kerosene-Type Jet Fuel	0	18,216	109	315	0	-14,237	0	0	1,215	3,188	15,717
Kerosene	0	2,024	0	374	0	-1,124	0	0	12	1,262	2,269
Distillate Fuel Oil	46	42,798	0	-978	0	-27,314	0	0	1,283	13,269	29,197
Residual Fuel Oil	0	9,869	302	-341	0	-975	0	0	1,483	7,372	13,438
Naphtha and Other Oils for Petro. Feed. Use	0	7,319	2,706	-181	0	-19	0	0	582	9,243	2,966
Special Naphthas	0	1,150	398	160	0	-446	0	0	66	1,196	1,645
Lubricants	0	3,350	174	-921	0	-979	0	0	198	1,426	6,899
Waxes	0	301	0	-51	0	-2	0	0	19	229	415
Petroleum Coke	0	7,279	0	-516	0	0	0	0	2,386	4,377	2,589
Asphalt and Road Oil	0	2,601	49	63	0	-407	0	0	2	2,304	3,586
Still Gas	0	8,623	0	0	0	0	0	0	0	8,623	0
Miscellaneous Products	59	1,146	31	-145	0	-105	0	0	24	962	1,491
Total	**147,225**	**209,092**	**106,128**	**-4,328**	**-141**	**-129,847**	**4**	**200,287**	**8,398**	**119,439**	**977,632**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**116,081**	**0**	**83,711**	**13,678**	**-2,651**	**-20,985**	**0**	**189,834**	**0**	**0**	**698,218**
Natural Gas Liquids and LRGs	**33,274**	**7,788**	**631**	**8,186**	**0**	**-5,164**	**0**	**9,900**	**1,135**	**33,680**	**62,526**
Liquefied Petroleum Gases	27,927	7,788	630	7,606	0	-4,146	0	6,506	1,135	32,164	58,542
Pentanes Plus	5,347	0	1	580	0	-1,018	0	3,394	0	1,516	3,984
Other Liquids	**977**	**0**	**5,207**	**5,648**	**0**	**-207**	**0**	**14,650**	**0**	**-3,025**	**57,795**
Other Hydrocarbons and Alcohol	977	0	0	94	0	0	0	1,071	0	0	193
Unfinished Oils	0	0	5,193	4,028	0	-153	0	11,695	0	-2,627	42,610
Motor Gasoline Blending Components	0	0	14	1,516	0	-54	0	1,874	0	-398	14,923
Aviation Gasoline Blending Components	0	0	0	10	0	0	0	10	0	0	69
Finished Petroleum Products	**114**	**217,197**	**4,786**	**-3,934**	**0**	**-105,995**	**0**	**0**	**11,756**	**100,412**	**135,515**
Finished Motor Gasoline	10	98,626	0	-2,836	0	-57,397	0	0	880	37,523	50,966
Finished Leaded Motor Gasoline	9	19,897	0	-567	0	-9,494	0	0	183	9,662	12,776
Finished Unleaded Motor Gasoline	1	78,729	0	-2,269	0	-47,903	0	0	697	27,861	38,190
Finished Aviation Gasoline	0	481	0	-16	0	-322	0	0	0	143	656
Naphtha-Type Jet Fuel	0	3,206	0	-234	0	-472	0	0	0	2,500	2,833
Kerosene-Type Jet Fuel	0	19,058	119	998	0	-14,769	0	0	1,871	3,534	14,719
Kerosene	0	1,971	474	217	0	-976	0	0	115	1,571	2,052
Distillate Fuel Oil	42	48,989	546	-2,320	0	-30,400	0	0	1,055	15,802	31,517
Residual Fuel Oil	0	11,190	1,199	886	0	390	0	0	3,984	9,681	12,552
Naphtha and Other Oils for Petro. Feed. Use	0	8,449	2,230	131	0	5	0	0	119	10,696	2,835
Special Naphthas	0	1,012	178	110	0	-356	0	0	100	844	1,535
Lubricants	0	2,842	0	389	0	-822	0	0	241	2,168	6,510
Waxes	0	292	0	-14	0	-9	0	0	13	256	429
Petroleum Coke	0	7,546	25	-828	0	0	0	0	3,370	3,373	3,417
Asphalt and Road Oil	0	2,662	10	-209	0	-806	0	0	(s)	1,657	3,795
Still Gas	0	9,591	0	0	0	0	0	0	0	9,591	0
Miscellaneous Products	62	1,282	5	-208	0	-61	0	0	7	1,073	1,699
Total	**150,446**	**224,985**	**94,335**	**23,578**	**-2,651**	**-132,351**	**0**	**214,384**	**12,891**	**131,067**	**954,054**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,808**	**0**	**2,225**	**-333**	**1,233**	**-7,928**	**0**	**13,004**	**0**	**1**	**12,917**
Natural Gas Liquids and LRGs	**3,095**	**150**	**632**	**70**	**0**	**-1,392**	**0**	**727**	**(s)**	**1,828**	**1,073**
Liquefied Petroleum Gases	2,333	150	475	43	0	-1,203	0	559	(s)	1,239	938
Pentanes Plus	762	0	157	27	0	-189	0	168	0	589	135
Other Liquids	**0**	**0**	**0**	**-428**	**0**	**0**	**0**	**-589**	**0**	**161**	**4,625**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-161	0	0	0	-347	0	186	2,187
Motor Gasoline Blending Components	0	0	0	-267	0	0	0	-242	0	-25	2,438
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**13,332**	**119**	**-1,200**	**0**	**185**	**0**	**0**	**5**	**12,435**	**13,151**
Finished Motor Gasoline	0	7,254	42	-738	0	-90	0	0	(s)	6,468	5,604
Finished Leaded Motor Gasoline	0	2,977	18	-358	0	-135	0	0	0	2,502	2,801
Finished Unleaded Motor Gasoline	0	4,277	24	-380	0	45	0	0	(s)	3,966	2,803
Finished Aviation Gasoline	0	29	0	-11	0	9	0	0	0	27	58
Naphtha-Type Jet Fuel	0	350	0	-83	0	-166	0	0	0	101	449
Kerosene-Type Jet Fuel	0	877	0	3	0	809	0	0	(s)	1,689	773
Kerosene	0	17	0	-1	0	0	0	0	0	16	35
Distillate Fuel Oil	0	3,048	74	56	0	-377	0	0	(s)	2,801	3,230
Residual Fuel Oil	0	339	1	27	0	0	0	0	0	367	317
Naphtha and Other Oils for Petro. Feed. Use	0	-11	0	11	0	0	0	0	2	-2	20
Special Naphthas	0	-6	0	0	0	0	0	0	(s)	-6	6
Lubricants	0	23	0	2	0	0	0	0	3	22	69
Waxes	0	-1	2	8	0	0	0	0	0	9	97
Petroleum Coke	0	313	0	2	0	0	0	0	0	315	101
Asphalt and Road Oil	0	533	0	-475	0	0	0	0	(s)	58	2,318
Still Gas	0	529	0	0	0	0	0	0	0	529	0
Miscellaneous Products	4	38	0	-1	0	0	0	0	(s)	41	74
Total	**20,907**	**13,482**	**2,976**	**-1,891**	**1,233**	**-9,135**	**0**	**13,142**	**5**	**14,425**	**31,766**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**15,936**	**0**	**2,139**	**23**	**1,132**	**-7,519**	**0**	**11,711**	**0**	**0**	**12,894**
Natural Gas Liquids and LRGs	**2,837**	**169**	**564**	**-25**	**0**	**-1,391**	**0**	**574**	**7**	**1,573**	**1,098**
Liquefied Petroleum Gases	2,118	169	424	-22	0	-1,219	0	444	7	1,019	960
Pentanes Plus	719	0	140	-3	0	-172	0	130	0	554	138
Other Liquids	**0**	**0**	**0**	**-785**	**0**	**0**	**0**	**-999**	**0**	**214**	**5,410**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-457	0	0	0	-685	0	228	2,644
Motor Gasoline Blending Components	0	0	0	-328	0	0	0	-321	0	-7	2,766
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	7	0	-7	0
Finished Petroleum Products	**3**	**11,400**	**63**	**-597**	**0**	**19**	**0**	**0**	**8**	**10,880**	**13,748**
Finished Motor Gasoline	0	5,969	31	-121	0	-128	0	0	0	5,751	5,725
Finished Leaded Motor Gasoline	0	2,506	6	-9	0	-275	0	0	0	2,228	2,810
Finished Unleaded Motor Gasoline	0	3,463	25	-112	0	147	0	0	0	3,523	2,915
Finished Aviation Gasoline	0	9	0	1	0	13	0	0	0	23	57
Naphtha-Type Jet Fuel	0	370	0	-22	0	-139	0	0	(s)	209	471
Kerosene-Type Jet Fuel	0	654	0	25	0	669	0	0	0	1,348	748
Kerosene	0	79	0	-68	0	0	0	0	0	11	103
Distillate Fuel Oil	0	2,787	31	-36	0	-396	0	0	0	2,386	3,266
Residual Fuel Oil	0	288	1	16	0	0	0	0	0	305	301
Naphtha and Other Oils for Petro. Feed. Use	0	3	0	-3	0	0	0	0	1	-1	23
Special Naphthas	0	3	0	-1	0	0	0	0	(s)	2	7
Lubricants	0	30	0	-13	0	0	0	0	6	11	82
Waxes	0	-2	0	19	0	0	0	0	0	17	78
Petroleum Coke	0	256	0	-4	0	0	0	0	0	252	105
Asphalt and Road Oil	0	459	0	-378	0	0	0	0	1	80	2,696
Still Gas	0	452	0	0	0	0	0	0	0	452	0
Miscellaneous Products	3	43	0	-12	0	0	0	0	(s)	34	86
Total	**18,776**	**11,569**	**2,766**	**-1,384**	**1,132**	**-8,891**	**0**	**11,286**	**16**	**12,667**	**33,150**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, March 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,293**	**0**	**1,666**	**-640**	**1,534**	**-8,661**	**0**	**11,192**	**0**	**0**	**13,534**
Natural Gas Liquids and LRGs	**3,009**	**176**	**476**	**74**	**0**	**-1,457**	**0**	**669**	**0**	**1,609**	**1,024**
Liquefied Petroleum Gases	2,231	176	383	87	0	-1,386	0	529	0	962	873
Pentanes Plus	778	0	93	-13	0	-71	0	140	0	647	151
Other Liquids	**0**	**0**	**0**	**671**	**0**	**0**	**0**	**475**	**0**	**196**	**4,739**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	536	0	0	0	312	0	224	2,108
Motor Gasoline Blending Components	0	0	0	135	0	0	0	163	0	-28	2,631
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**5**	**12,398**	**109**	**213**	**0**	**-12**	**0**	**0**	**6**	**12,707**	**13,535**
Finished Motor Gasoline	0	6,678	49	-74	0	-215	0	0	0	6,438	5,799
Finished Leaded Motor Gasoline	0	3,032	6	-190	0	-329	0	0	0	2,519	3,000
Finished Unleaded Motor Gasoline	0	3,646	43	116	0	114	0	0	0	3,919	2,799
Finished Aviation Gasoline	0	16	0	-1	0	13	0	0	0	28	58
Naphtha-Type Jet Fuel	0	354	0	83	0	-208	0	0	0	229	388
Kerosene-Type Jet Fuel	0	810	0	62	0	694	0	0	(s)	1,566	686
Kerosene	0	-2	0	8	0	0	0	0	0	6	95
Distillate Fuel Oil	0	2,956	58	184	0	-296	0	0	(s)	2,902	3,082
Residual Fuel Oil	0	358	2	-54	0	0	0	0	0	306	355
Naphtha and Other Oils for Petro. Feed. Use	0	4	0	-4	0	0	0	0	(s)	(s)	27
Special Naphthas	0	2	0	-2	0	0	0	0	(s)	(s)	9
Lubricants	0	21	0	1	0	0	0	0	4	18	81
Waxes	0	26	0	-8	0	0	0	0	0	18	86
Petroleum Coke	0	301	0	103	0	0	0	0	0	404	2
Asphalt and Road Oil	0	325	0	-93	0	0	0	0	1	231	2,789
Still Gas	0	521	0	0	0	0	0	0	0	521	0
Miscellaneous Products	5	28	0	8	0	0	0	0	(s)	41	78
Total	**20,307**	**12,574**	**2,251**	**318**	**1,534**	**-10,130**	**0**	**12,336**	**6**	**14,512**	**32,832**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,912**	**0**	**1,914**	**311**	**1,691**	**-7,929**	**0**	**12,899**	**0**	**0**	**13,223**
Natural Gas Liquids and LRGs	**2,909**	**227**	**515**	**-28**	**0**	**-1,434**	**0**	**504**	**17**	**1,668**	**1,052**
Liquefied Petroleum Gases	2,097	227	385	-22	0	-1,240	0	385	17	1,045	895
Pentanes Plus	812	0	130	-6	0	-194	0	119	0	623	157
Other Liquids	**0**	**0**	**0**	**-192**	**0**	**0**	**0**	**-362**	**0**	**170**	**4,931**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-312	0	0	0	-490	0	178	2,420
Motor Gasoline Blending Components	0	0	0	120	0	0	0	128	0	-8	2,511
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**5**	**13,119**	**137**	**426**	**0**	**-111**	**0**	**0**	**10**	**13,566**	**13,109**
Finished Motor Gasoline	0	6,797	54	352	0	-375	0	0	(s)	6,828	5,447
Finished Leaded Motor Gasoline	0	2,838	19	284	0	-431	0	0	(s)	2,710	2,716
Finished Unleaded Motor Gasoline	0	3,959	35	68	0	56	0	0	(s)	4,118	2,731
Finished Aviation Gasoline	0	9	0	14	0	9	0	0	0	32	44
Naphtha-Type Jet Fuel	0	341	0	-39	0	-110	0	0	0	192	427
Kerosene-Type Jet Fuel	0	823	0	-175	0	712	0	0	0	1,360	861
Kerosene	0	-32	0	36	0	0	0	0	2	2	59
Distillate Fuel Oil	0	3,302	83	337	0	-347	0	0	1	3,374	2,745
Residual Fuel Oil	0	329	0	-45	0	0	0	0	0	284	400
Naphtha and Other Oils for Petro. Feed. Use	0	22	0	-13	0	0	0	0	1	8	40
Special Naphthas	0	-1	0	2	0	0	0	0	(s)	1	7
Lubricants	0	27	0	9	0	0	0	0	4	32	72
Waxes	0	44	0	-22	0	0	0	0	0	22	108
Petroleum Coke	0	291	0	0	0	0	0	0	0	291	2
Asphalt and Road Oil	0	608	0	-25	0	0	0	0	2	581	2,814
Still Gas	0	508	0	0	0	0	0	0	0	508	0
Miscellaneous Products	5	51	0	-5	0	0	0	0	(s)	51	83
Total	**19,826**	**13,346**	**2,566**	**517**	**1,691**	**-9,474**	**0**	**13,041**	**27**	**15,404**	**32,315**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,379**	**0**	**2,183**	**403**	**1,396**	**-7,993**	**0**	**13,368**	**0**	**0**	**12,820**
Natural Gas Liquids and LRGs	**2,972**	**248**	**331**	**-111**	**0**	**-1,877**	**0**	**470**	**18**	**1,075**	**1,163**
Liquefied Petroleum Gases	2,110	248	232	-116	0	-1,635	0	366	18	455	1,011
Pentanes Plus	862	0	99	5	0	-242	0	104	0	620	152
Other Liquids	**0**	**0**	**0**	**771**	**0**	**0**	**0**	**523**	**0**	**248**	**4,160**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	350	0	0	0	113	0	237	2,070
Motor Gasoline Blending Components	0	0	0	421	0	0	0	410	0	11	2,090
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**14,313**	**167**	**400**	**0**	**-343**	**0**	**0**	**6**	**14,535**	**12,709**
Finished Motor Gasoline	0	7,539	61	100	0	-394	0	0	(s)	7,306	5,347
Finished Leaded Motor Gasoline	0	3,274	20	-1	0	-320	0	0	0	2,973	2,717
Finished Unleaded Motor Gasoline	0	4,265	41	101	0	-74	0	0	(s)	4,333	2,630
Finished Aviation Gasoline	0	40	0	-13	0	13	0	0	0	40	57
Naphtha-Type Jet Fuel	0	414	0	28	0	-157	0	0	0	285	399
Kerosene-Type Jet Fuel	0	688	0	85	0	633	0	0	0	1,406	776
Kerosene	0	25	0	-22	0	0	0	0	0	3	81
Distillate Fuel Oil	0	3,659	105	73	0	-438	0	0	1	3,398	2,672
Residual Fuel Oil	0	216	1	69	0	0	0	0	0	286	331
Naphtha and Other Oils for Petro. Feed. Use	0	-24	0	27	0	0	0	0	0	3	13
Special Naphthas	0	0	0	0	0	0	0	0	0	0	7
Lubricants	0	34	0	-7	0	0	0	0	5	22	79
Waxes	0	-6	0	34	0	0	0	0	0	28	74
Petroleum Coke	0	282	0	-5	0	0	0	0	0	277	7
Asphalt and Road Oil	0	853	0	31	0	0	0	0	1	883	2,783
Still Gas	0	539	0	0	0	0	0	0	0	539	0
Miscellaneous Products	4	54	0	0	0	0	0	0	(s)	58	83
Total	**20,355**	**14,561**	**2,681**	**1,463**	**1,396**	**-10,213**	**0**	**14,361**	**24**	**15,858**	**30,852**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures. See Explanatory Notes 1 and 2

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,744**	**0**	**1,632**	**1,017**	**2,435**	**-8,178**	**0**	**13,650**	**0**	**0**	**11,803**
Natural Gas Liquids and LRGs	**2,779**	**295**	**383**	**-5**	**0**	**-1,715**	**0**	**481**	**37**	**1,219**	**1,168**
Liquefied Petroleum Gases	1,963	295	277	7	0	-1,510	0	372	37	623	1,004
Pentanes Plus	816	0	106	-12	0	-205	0	109	0	596	164
Other Liquids	**0**	**0**	**0**	**494**	**0**	**0**	**0**	**355**	**0**	**139**	**3,666**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-39	0	0	0	-130	0	91	2,109
Motor Gasoline Blending Components	0	0	0	533	0	0	0	485	0	48	1,557
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**14,492**	**125**	**1,525**	**0**	**-240**	**0**	**0**	**10**	**15,894**	**11,184**
Finished Motor Gasoline	0	7,346	65	786	0	-430	0	0	1	7,766	4,561
Finished Leaded Motor Gasoline	0	3,007	24	498	0	-414	0	0	0	3,115	2,219
Finished Unleaded Motor Gasoline	0	4,339	41	288	0	-16	0	0	1	4,651	2,342
Finished Aviation Gasoline	0	28	0	3	0	16	0	0	0	47	54
Naphtha-Type Jet Fuel	0	393	0	-24	0	-169	0	0	0	200	423
Kerosene-Type Jet Fuel	0	843	0	38	0	647	0	0	0	1,528	738
Kerosene	0	-15	0	15	0	0	0	0	0	0	66
Distillate Fuel Oil	0	3,548	59	174	0	-304	0	0	(s)	3,477	2,498
Residual Fuel Oil	0	274	1	-36	0	0	0	0	0	239	367
Naphtha and Other Oils for Petro. Feed. Use	0	24	0	-24	0	0	0	0	2	-2	37
Special Naphthas	0	0	0	0	0	0	0	0	(s)	(s)	7
Lubricants	0	48	0	-15	0	0	0	0	5	28	94
Waxes	0	20	0	2	0	0	0	0	0	22	72
Petroleum Coke	0	400	0	4	0	0	0	0	1	404	3
Asphalt and Road Oil	0	989	0	570	0	0	0	0	1	1,558	2,213
Still Gas	0	544	0	0	0	0	0	0	0	544	0
Miscellaneous Products	2	50	0	32	0	0	0	0	0	84	51
Total	**19,525**	**14,787**	**2,140**	**3,031**	**2,435**	**-10,133**	**0**	**14,486**	**46**	**17,252**	**27,821**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,246**	**0**	**2,338**	**370**	**1,156**	**-6,356**	**0**	**14,754**	**0**	**0**	**11,433**
Natural Gas Liquids and LRGs	**2,860**	**284**	**343**	**112**	**0**	**-1,665**	**0**	**467**	**32**	**1,435**	**1,056**
Liquefied Petroleum Gases	2,050	284	271	96	0	-1,469	0	385	32	815	908
Pentanes Plus	810	0	72	16	0	-196	0	82	0	620	148
Other Liquids	**0**	**0**	**0**	**314**	**0**	**0**	**0**	**173**	**0**	**141**	**3,352**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	18	0	0	0	-91	0	109	2,091
Motor Gasoline Blending Components	0	0	0	296	0	0	0	264	0	32	1,261
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**3**	**15,416**	**137**	**940**	**0**	**160**	**0**	**0**	**13**	**16,643**	**10,244**
Finished Motor Gasoline	0	7,899	75	462	0	-222	0	0	2	8,212	4,099
Finished Leaded Motor Gasoline	0	3,352	27	192	0	-284	0	0	(s)	3,287	2,027
Finished Unleaded Motor Gasoline	0	4,547	48	270	0	62	0	0	1	4,926	2,072
Finished Aviation Gasoline	0	32	0	6	0	18	0	0	0	56	48
Naphtha-Type Jet Fuel	0	431	0	41	0	-170	0	0	0	302	382
Kerosene-Type Jet Fuel	0	837	0	-37	0	630	0	0	1	1,429	775
Kerosene	0	17	0	-16	0	0	0	0	0	1	82
Distillate Fuel Oil	0	3,722	59	-37	0	-96	0	0	0	3,648	2,535
Residual Fuel Oil	0	247	3	25	0	0	0	0	0	275	342
Naphtha and Other Oils for Petro. Feed. Use	0	-4	0	4	0	0	0	0	(s)	(s)	33
Special Naphthas	0	2	0	-3	0	0	0	0	0	-1	10
Lubricants	0	38	0	-6	0	0	0	0	8	24	100
Waxes	0	55	0	-33	0	0	0	0	(s)	22	105
Petroleum Coke	0	296	0	0	0	0	0	0	0	296	3
Asphalt and Road Oil	0	1,224	0	507	0	0	0	0	1	1,730	1,706
Still Gas	0	570	0	0	0	0	0	0	0	570	0
Miscellaneous Products	3	50	0	27	0	0	0	0	1	79	24
Total	**20,109**	**15,700**	**2,818**	**1,736**	**1,156**	**-7,861**	**0**	**15,394**	**45**	**18,219**	**26,085**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,202**	**0**	**2,078**	**-58**	**1,035**	**-5,370**	**0**	**14,887**	**0**	**0**	**11,491**
Natural Gas Liquids and LRGs	**2,901**	**309**	**249**	**-77**	**0**	**-1,801**	**0**	**505**	**21**	**1,055**	**1,133**
Liquefied Petroleum Gases	2,166	309	249	-65	0	-1,588	0	407	21	643	973
Pentanes Plus	735	0	0	-12	0	-213	0	98	0	412	160
Other Liquids	**0**	**0**	**0**	**-90**	**0**	**0**	**0**	**-326**	**0**	**236**	**3,442**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	38	0	0	0	-203	0	241	2,053
Motor Gasoline Blending Components	0	0	0	-128	0	0	0	-123	0	-5	1,389
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**5**	**15,095**	**160**	**298**	**0**	**361**	**0**	**0**	**7**	**15,912**	**9,946**
Finished Motor Gasoline	0	7,730	64	-243	0	104	0	0	1	7,654	4,342
Finished Leaded Motor Gasoline	0	3,141	27	-24	0	-152	0	0	0	2,992	2,051
Finished Unleaded Motor Gasoline	0	4,589	37	-219	0	256	0	0	1	4,662	2,291
Finished Aviation Gasoline	0	23	0	0	0	22	0	0	0	45	48
Naphtha-Type Jet Fuel	0	399	0	-3	0	-161	0	0	(s)	235	385
Kerosene-Type Jet Fuel	0	776	0	132	0	639	0	0	0	1,547	643
Kerosene	0	-3	0	7	0	0	0	0	0	4	75
Distillate Fuel Oil	0	3,736	95	-81	0	-243	0	0	(s)	3,507	2,616
Residual Fuel Oil	0	339	1	-76	0	0	0	0	0	264	418
Naphtha and Other Oils for Petro. Feed. Use	0	5	0	-5	0	0	0	0	(s)	(s)	38
Special Naphthas	0	-1	0	1	0	0	0	0	(s)	(s)	9
Lubricants	0	39	0	-9	0	0	0	0	5	25	109
Waxes	0	-25	0	41	0	0	0	0	0	16	64
Petroleum Coke	0	283	0	-2	0	0	0	0	0	281	5
Asphalt and Road Oil	0	1,134	0	527	0	0	0	0	1	1,660	1,179
Still Gas	0	610	0	0	0	0	0	0	0	610	0
Miscellaneous Products	5	50	0	9	0	0	0	0	(s)	64	15
Total	**20,108**	**15,404**	**2,487**	**73**	**1,035**	**-6,810**	**0**	**15,066**	**29**	**17,202**	**26,012**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,691**	**0**	**2,014**	**-652**	**1,217**	**-5,447**	**0**	**13,823**	**0**	**0**	**12,143**
Natural Gas Liquids and LRGs	**2,781**	**297**	**298**	**6**	**0**	**-1,462**	**0**	**483**	**2**	**1,435**	**1,127**
Liquefied Petroleum Gases	2,047	297	298	-4	0	-1,273	0	406	2	957	977
Pentanes Plus	734	0	0	10	0	-189	0	77	0	478	150
Other Liquids	**0**	**0**	**0**	**-83**	**0**	**0**	**0**	**-207**	**0**	**124**	**3,525**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-133	0	0	0	-277	0	144	2,186
Motor Gasoline Blending Components	0	0	0	50	0	0	0	70	0	-20	1,339
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**6**	**14,236**	**119**	**-232**	**0**	**214**	**0**	**0**	**6**	**14,337**	**10,178**
Finished Motor Gasoline	0	7,105	50	-426	0	-97	0	0	(s)	6,632	4,768
Finished Leaded Motor Gasoline	0	3,090	15	-244	0	-300	0	0	0	2,561	2,295
Finished Unleaded Motor Gasoline	0	4,015	35	-182	0	203	0	0	(s)	4,071	2,473
Finished Aviation Gasoline	0	21	0	6	0	22	0	0	0	49	42
Naphtha-Type Jet Fuel	0	375	0	14	0	-206	0	0	(s)	183	371
Kerosene-Type Jet Fuel	0	805	0	-169	0	706	0	0	0	1,342	812
Kerosene	0	-2	0	5	0	0	0	0	0	3	70
Distillate Fuel Oil	0	3,552	69	-32	0	-211	0	0	0	3,378	2,648
Residual Fuel Oil	0	347	0	-19	0	0	0	0	0	328	437
Naphtha and Other Oils for Petro. Feed. Use	0	12	0	-12	0	0	0	0	(s)	(s)	50
Special Naphthas	0	0	0	1	0	0	0	0	0	1	8
Lubricants	0	38	0	-3	0	0	0	0	4	31	112
Waxes	0	94	0	-67	0	0	0	0	(s)	27	131
Petroleum Coke	0	290	0	-13	0	0	0	0	0	277	18
Asphalt and Road Oil	0	964	0	479	0	0	0	0	2	1,441	700
Still Gas	0	590	0	0	0	0	0	0	0	590	0
Miscellaneous Products	6	45	0	4	0	0	0	0	0	55	11
Total	**19,478**	**14,533**	**2,431**	**-961**	**1,217**	**-6,695**	**0**	**14,099**	**8**	**15,896**	**26,973**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,509**	**0**	**2,152**	**-501**	**1,030**	**-6,631**	**0**	**13,559**	**0**	**0**	**12,644**
Natural Gas Liquids and LRGs	**3,075**	**279**	**502**	**-9**	**0**	**-1,566**	**0**	**545**	**30**	**1,706**	**1,136**
Liquefied Petroleum Gases	2,214	279	502	-4	0	-1,372	0	473	30	1,116	981
Pentanes Plus	861	0	0	-5	0	-194	0	72	0	590	155
Other Liquids	**0**	**0**	**0**	**-435**	**0**	**0**	**0**	**-760**	**0**	**325**	**3,960**
Other Hydrocarbons and Alcohol	0	0	0	0	0	0	0	0	0	0	0
Unfinished Oils	0	0	0	-278	0	0	0	-673	0	395	2,464
Motor Gasoline Blending Components	0	0	0	-157	0	0	0	-87	0	-70	1,496
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**13,514**	**117**	**1,209**	**0**	**268**	**0**	**0**	**6**	**15,104**	**8,969**
Finished Motor Gasoline	0	6,749	45	578	0	-113	0	0	0	7,259	4,190
Finished Leaded Motor Gasoline	0	2,757	4	313	0	-315	0	0	0	2,759	1,982
Finished Unleaded Motor Gasoline	0	3,992	41	265	0	202	0	0	0	4,500	2,208
Finished Aviation Gasoline	0	25	0	-4	0	18	0	0	0	39	46
Naphtha-Type Jet Fuel	0	539	0	-45	0	-177	0	0	0	317	416
Kerosene-Type Jet Fuel	0	826	0	40	0	659	0	0	0	1,525	772
Kerosene	0	10	0	11	0	0	0	0	0	21	59
Distillate Fuel Oil	0	3,400	72	378	0	-119	0	0	(s)	3,731	2,270
Residual Fuel Oil	0	288	0	54	0	0	0	0	0	342	383
Naphtha and Other Oils for Petro. Feed. Use	0	-28	0	28	0	0	0	0	1	-1	22
Special Naphthas	0	-1	0	1	0	0	0	0	0	0	7
Lubricants	0	25	0	15	0	0	0	0	3	37	97
Waxes	0	-42	0	68	0	0	0	0	0	26	63
Petroleum Coke	0	295	0	8	0	0	0	0	0	303	10
Asphalt and Road Oil	0	874	0	77	0	0	0	0	1	950	623
Still Gas	0	515	0	0	0	0	0	0	0	515	0
Miscellaneous Products	2	39	0	0	0	0	0	0	(s)	41	11
Total	**20,586**	**13,793**	**2,771**	**264**	**1,030**	**-7,929**	**0**	**13,344**	**35**	**17,136**	**26,709**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,795**	**0**	**1,639**	**-3**	**2,005**	**-7,305**	**0**	**13,131**	**0**	**0**	**12,647**
Natural Gas Liquids and LRGs	**3,139**	**235**	**466**	**-31**	**0**	**-1,470**	**0**	**688**	**22**	**1,629**	**1,167**
Liquefied Petroleum Gases	2,359	235	453	-29	0	-1,259	0	611	22	1,126	1,010
Pentanes Plus	780	0	13	-2	0	-211	0	77	0	503	157
Other Liquids	**23**	**0**	**0**	**72**	**0**	**0**	**0**	**-46**	**0**	**141**	**3,888**
Other Hydrocarbons and Alcohol	23	0	0	-23	0	0	0	0	0	0	23
Unfinished Oils	0	0	0	114	0	0	0	-94	0	208	2,350
Motor Gasoline Blending Components	0	0	0	-19	0	0	0	48	0	-67	1,515
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**3**	**13,817**	**98**	**-1,136**	**0**	**-99**	**0**	**0**	**7**	**12,676**	**10,105**
Finished Motor Gasoline	0	6,983	37	-404	0	-335	0	0	1	6,280	4,594
Finished Leaded Motor Gasoline	0	2,856	2	-97	0	-432	0	0	1	2,328	2,079
Finished Unleaded Motor Gasoline	0	4,127	35	-307	0	97	0	0	1	3,951	2,515
Finished Aviation Gasoline	0	15	0	-7	0	9	0	0	0	17	53
Naphtha-Type Jet Fuel	0	431	0	-31	0	-204	0	0	0	196	447
Kerosene-Type Jet Fuel	0	760	0	7	0	747	0	0	0	1,514	765
Kerosene	0	28	0	-13	0	0	0	0	(s)	15	72
Distillate Fuel Oil	0	3,638	61	-353	0	-316	0	0	(s)	3,030	2,623
Residual Fuel Oil	0	301	0	10	0	0	0	0	0	311	373
Naphtha and Other Oils for Petro. Feed. Use	0	2	0	-2	0	0	0	0	(s)	(s)	24
Special Naphthas	0	1	0	0	0	0	0	0	0	1	7
Lubricants	0	45	0	-14	0	0	0	0	3	28	111
Waxes	0	36	0	-12	0	0	0	0	0	24	75
Petroleum Coke	0	327	0	-30	0	0	0	0	0	297	40
Asphalt and Road Oil	0	675	0	-279	0	0	0	0	1	395	902
Still Gas	0	530	0	0	0	0	0	0	0	530	0
Miscellaneous Products	3	45	0	-8	0	0	0	0	1	39	19
Total	**19,960**	**14,052**	**2,203**	**-1,098**	**2,005**	**-8,874**	**0**	**13,773**	**28**	**14,447**	**27,807**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,400**	**0**	**1,583**	**117**	**1,330**	**-7,066**	**0**	**13,364**	**0**	**0**	**12,530**
Natural Gas Liquids and LRGs	**3,578**	**191**	**612**	**79**	**0**	**-1,664**	**0**	**712**	**49**	**2,035**	**1,088**
Liquefied Petroleum Gases	2,813	191	593	76	0	-1,448	0	605	49	1,571	934
Pentanes Plus	765	0	19	3	0	-216	0	107	0	464	154
Other Liquids	**14**	**0**	**0**	**-172**	**0**	**0**	**0**	**-178**	**0**	**20**	**4,060**
Other Hydrocarbons and Alcohol	14	0	0	9	0	0	0	23	0	0	14
Unfinished Oils	0	0	0	28	0	0	0	-173	0	201	2,322
Motor Gasoline Blending Components	0	0	0	-209	0	0	0	-28	0	-181	1,724
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**13,988**	**78**	**-1,551**	**0**	**-385**	**0**	**0**	**4**	**12,128**	**11,656**
Finished Motor Gasoline	0	7,176	39	-461	0	-484	0	0	(s)	6,270	5,055
Finished Leaded Motor Gasoline	0	2,675	12	-115	0	-399	0	0	0	2,173	2,194
Finished Unleaded Motor Gasoline	0	4,501	27	-346	0	-85	0	0	(s)	4,097	2,861
Finished Aviation Gasoline	0	16	0	-1	0	9	0	0	0	24	54
Naphtha-Type Jet Fuel	0	419	0	17	0	-231	0	0	(s)	205	430
Kerosene-Type Jet Fuel	0	858	0	-71	0	620	0	0	0	1,407	836
Kerosene	0	47	0	-20	0	0	0	0	0	27	92
Distillate Fuel Oil	0	3,477	38	-475	0	-299	0	0	0	2,741	3,098
Residual Fuel Oil	0	359	0	-14	0	0	0	0	0	345	387
Naphtha and Other Oils for Petro. Feed. Use	0	9	0	-9	0	0	0	0	(s)	(s)	33
Special Naphthas	0	-1	0	0	0	0	0	0	0	-1	7
Lubricants	0	35	0	1	0	0	0	0	2	34	110
Waxes	0	40	1	-12	0	0	0	0	0	29	87
Petroleum Coke	0	336	0	9	0	0	0	0	1	344	31
Asphalt and Road Oil	0	617	0	-513	0	0	0	0	0	104	1,415
Still Gas	0	547	0	0	0	0	0	0	0	547	0
Miscellaneous Products	2	53	0	-2	0	0	0	0	0	53	21
Total	**20,994**	**14,179**	**2,273**	**-1,527**	**1,330**	**-9,115**	**0**	**13,898**	**53**	**14,183**	**29,334**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, January 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,766**	**0**	**4,255**	**-3,175**	**739**	**-20,923**	**8**	**73,009**	**2,388**	**1,257**	**76,136**
Natural Gas Liquids and LRGs	**1,151**	**1,229**	**537**	**1,296**	**0**	**0**	**0**	**1,068**	**228**	**2,917**	**1,845**
Liquefied Petroleum Gases	665	1,229	537	1,299	0	0	0	880	228	2,622	1,779
Pentanes Plus	486	0	0	-3	0	0	0	188	0	295	66
Other Liquids	**448**	**0**	**340**	**-1,848**	**0**	**0**	**0**	**1,457**	**0**	**-2,517**	**29,296**
Other Hydrocarbons and Alcohol	448	0	0	0	0	0	0	448	0	0	5
Unfinished Oils	0	0	1	-1,412	0	0	0	836	0	-2,247	21,984
Motor Gasoline Blending Components	0	0	339	-425	0	0	0	184	0	-270	7,248
Aviation Gasoline Blending Components	0	0	0	-11	0	0	0	-11	0	0	59
Finished Petroleum Products	**0**	**78,767**	**917**	**425**	**0**	**2,805**	**0**	**0**	**8,468**	**74,446**	**56,321**
Finished Motor Gasoline	0	33,833	386	-92	0	1,679	0	0	633	35,173	21,834
Finished Leaded Motor Gasoline	0	9,097	185	870	0	635	0	0	264	10,523	7,981
Finished Unleaded Motor Gasoline	0	24,736	201	-962	0	1,044	0	0	369	24,650	13,853
Finished Aviation Gasoline	0	115	0	5	0	0	0	0	0	120	464
Naphtha-Type Jet Fuel	0	1,216	0	-58	0	317	0	0	40	1,435	2,160
Kerosene-Type Jet Fuel	0	9,610	0	135	0	247	0	0	281	9,711	5,888
Kerosene	0	100	0	68	0	0	0	0	0	168	226
Distillate Fuel Oil	0	12,517	61	112	0	692	0	0	1,404	11,978	11,097
Residual Fuel Oil	0	11,222	104	296	0	0	0	0	3,747	7,875	8,392
Naphtha and Other Oils for Petro. Feed. Use	0	294	72	-61	0	0	0	0	8	297	377
Special Naphthas	0	132	14	2	0	0	0	0	(s)	148	187
Lubricants	0	635	63	43	0	-130	0	0	41	570	2,016
Waxes	0	53	0	16	0	0	0	0	10	59	93
Petroleum Coke	0	3,804	17	61	0	0	0	0	2,299	1,583	1,674
Asphalt and Road Oil	0	1,128	200	-129	0	0	0	0	1	1,198	1,571
Still Gas	0	3,951	0	0	0	0	0	0	0	3,951	0
Miscellaneous Products	0	157	0	27	0	0	0	0	3	181	342
Total	**97,365**	**79,996**	**6,049**	**-3,302**	**739**	**-18,118**	**8**	**75,534**	**11,085**	**76,103**	**163,598**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, February 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**82,331**	**0**	**6,136**	**-2,512**	**5,928**	**-15,439**	**0**	**68,607**	**6,692**	**1,145**	**78,648**
Natural Gas Liquids and LRGs	**1,649**	**1,270**	**509**	**356**	**0**	**0**	**0**	**847**	**216**	**2,721**	**1,489**
Liquefied Petroleum Gases	840	1,270	509	336	0	0	0	649	216	2,090	1,443
Pentanes Plus	809	0	0	20	0	0	0	198	0	631	46
Other Liquids	**385**	**0**	**411**	**-3,123**	**0**	**117**	**0**	**-1,386**	**0**	**-824**	**32,419**
Other Hydrocarbons and Alcohol	385	0	0	-21	0	0	0	364	0	0	26
Unfinished Oils	0	0	251	-2,401	0	117	0	-1,373	0	-660	24,385
Motor Gasoline Blending Components	0	0	160	-703	0	0	0	-363	0	-180	7,951
Aviation Gasoline Blending Components	0	0	0	2	0	0	0	-14	0	16	57
Finished Petroleum Products	**0**	**70,753**	**1,900**	**715**	**0**	**2,930**	**0**	**0**	**8,499**	**67,799**	**55,606**
Finished Motor Gasoline	0	30,658	733	-203	0	1,762	0	0	108	32,842	22,037
Finished Leaded Motor Gasoline	0	8,459	14	550	0	761	0	0	6	9,778	7,431
Finished Unleaded Motor Gasoline	0	22,199	719	-753	0	1,001	0	0	102	23,064	14,606
Finished Aviation Gasoline	0	134	40	-2	0	0	0	0	0	172	466
Naphtha-Type Jet Fuel	0	1,430	0	124	0	382	0	0	0	1,936	2,036
Kerosene-Type Jet Fuel	0	8,633	5	-198	0	219	0	0	129	8,530	6,086
Kerosene	0	214	0	-46	0	0	0	0	0	168	272
Distillate Fuel Oil	0	10,725	25	338	0	522	0	0	1,492	10,118	10,759
Residual Fuel Oil	0	9,081	249	993	0	0	0	0	4,184	6,139	7,399
Naphtha and Other Oils for Petro. Feed. Use	0	461	713	35	0	0	0	0	289	920	342
Special Naphthas	0	103	8	-17	0	0	0	0	1	93	204
Lubricants	0	635	39	-75	0	45	0	0	42	602	2,091
Waxes	0	89	1	-15	0	0	0	0	7	68	108
Petroleum Coke	0	3,650	11	72	0	0	0	0	2,243	1,490	1,602
Asphalt and Road Oil	0	1,233	74	-319	0	0	0	0	1	987	1,890
Still Gas	0	3,576	0	0	0	0	0	0	0	3,576	0
Miscellaneous Products	0	131	2	28	0	0	0	0	3	158	314
Total	**84,365**	**72,023**	**8,956**	**-4,564**	**5,928**	**-12,392**	**0**	**68,068**	**15,407**	**70,840**	**168,162**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**94,530**	**0**	**7,249**	**-2,108**	**-2,210**	**-18,373**	**11**	**73,775**	**4,100**	**1,202**	**80,756**
Natural Gas Liquids and LRGs	**2,288**	**1,703**	**270**	**-148**	**0**	**0**	**0**	**734**	**252**	**3,127**	**1,637**
Liquefied Petroleum Gases	1,270	1,703	270	-131	0	0	0	583	252	2,277	1,574
Pentanes Plus	1,018	0	0	-17	0	0	0	151	0	850	63
Other Liquids	**387**	**0**	**843**	**1,254**	**0**	**120**	**0**	**3,009**	**0**	**-405**	**31,165**
Other Hydrocarbons and Alcohol	387	0	0	11	0	0	0	398	0	0	15
Unfinished Oils	0	0	499	709	0	120	0	1,332	0	-4	23,676
Motor Gasoline Blending Components	0	0	344	511	0	0	0	1,256	0	-401	7,440
Aviation Gasoline Blending Components	0	0	0	23	0	0	0	23	0	0	34
Finished Petroleum Products	**0**	**79,276**	**1,634**	**-989**	**0**	**3,058**	**0**	**0**	**8,614**	**74,366**	**56,595**
Finished Motor Gasoline	0	34,613	440	-27	0	1,921	0	0	351	36,596	22,064
Finished Leaded Motor Gasoline	0	9,591	82	-273	0	841	0	0	3	10,238	7,704
Finished Unleaded Motor Gasoline	0	25,022	358	246	0	1,080	0	0	348	26,358	14,360
Finished Aviation Gasoline	0	127	0	23	0	0	0	0	0	150	443
Naphtha-Type Jet Fuel	0	1,538	4	-88	0	386	0	0	25	1,815	2,124
Kerosene-Type Jet Fuel	0	9,164	115	-106	0	147	0	0	136	9,184	6,192
Kerosene	0	180	0	-16	0	0	0	0	(s)	164	288
Distillate Fuel Oil	0	11,756	15	313	0	541	0	0	1,446	11,179	10,446
Residual Fuel Oil	0	11,495	334	-1,162	0	0	0	0	3,919	6,748	8,561
Naphtha and Other Oils for Petro. Feed. Use	0	560	323	13	0	0	0	0	358	538	329
Special Naphthas	0	92	23	15	0	0	0	0	2	128	189
Lubricants	0	534	89	83	0	63	0	0	45	724	2,008
Waxes	0	64	7	6	0	0	0	0	12	65	102
Petroleum Coke	0	3,806	19	-56	0	0	0	0	2,316	1,453	1,658
Asphalt and Road Oil	0	1,408	265	-10	0	0	0	0	1	1,662	1,900
Still Gas	0	3,784	0	0	0	0	0	0	0	3,784	0
Miscellaneous Products	0	155	0	23	0	0	0	0	3	175	291
Total	**97,205**	**80,979**	**9,996**	**-1,991**	**-2,210**	**-15,195**	**11**	**77,518**	**12,966**	**78,290**	**170,153**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, April 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**92,518**	**0**	**6,862**	**1,578**	**2,391**	**-17,660**	**3**	**77,502**	**6,955**	**1,229**	**79,178**
Natural Gas Liquids and LRGs	**1,631**	**1,723**	**358**	**10**	**0**	**0**	**0**	**849**	**168**	**2,706**	**1,627**
Liquefied Petroleum Gases	911	1,723	358	-4	0	0	0	678	168	2,143	1,578
Pentanes Plus	720	0	0	14	0	0	0	171	0	563	49
Other Liquids	**296**	**0**	**323**	**-1,351**	**0**	**0**	**0**	**10**	**0**	**-742**	**32,516**
Other Hydrocarbons and Alcohol	296	0	0	-2	0	0	0	294	0	0	17
Unfinished Oils	0	0	0	-666	0	0	0	23	0	-689	24,342
Motor Gasoline Blending Components	0	0	323	-677	0	0	0	-301	0	-53	8,117
Aviation Gasoline Blending Components	0	0	0	-6	0	0	0	-6	0	0	40
Finished Petroleum Products	**0**	**81,062**	**1,663**	**379**	**0**	**3,282**	**0**	**0**	**9,899**	**76,487**	**56,216**
Finished Motor Gasoline	0	34,789	838	-319	0	1,923	0	0	551	36,680	22,383
Finished Leaded Motor Gasoline	0	9,661	52	598	0	890	0	0	2	11,199	7,106
Finished Unleaded Motor Gasoline	0	25,128	786	-917	0	1,033	0	0	549	25,481	15,277
Finished Aviation Gasoline	0	171	4	19	0	0	0	0	0	194	424
Naphtha-Type Jet Fuel	0	1,554	13	-44	0	399	0	0	0	1,922	2,168
Kerosene-Type Jet Fuel	0	9,219	156	-358	0	157	0	0	50	9,124	6,550
Kerosene	0	257	0	-111	0	0	0	0	2	144	399
Distillate Fuel Oil	0	11,721	36	662	0	828	0	0	933	12,314	9,784
Residual Fuel Oil	0	11,779	409	1,032	0	0	0	0	5,622	7,598	7,529
Naphtha and Other Oils for Petro. Feed. Use	0	472	0	-12	0	0	0	0	5	455	341
Special Naphthas	0	115	8	-8	0	0	0	0	(s)	115	197
Lubricants	0	621	18	57	0	-25	0	0	49	622	1,951
Waxes	0	78	4	-7	0	0	0	0	11	64	109
Petroleum Coke	0	3,987	23	-366	0	0	0	0	2,601	1,043	2,024
Asphalt and Road Oil	0	1,869	154	-110	0	0	0	0	71	1,842	2,010
Still Gas	0	4,204	0	0	0	0	0	0	0	4,204	0
Miscellaneous Products	0	226	0	-56	0	0	0	0	3	167	347
Total	**94,445**	**82,785**	**9,206**	**616**	**2,391**	**-14,378**	**3**	**78,361**	**17,022**	**79,680**	**169,537**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, May 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,248**	**0**	**7,006**	**-202**	**982**	**-20,546**	**4**	**79,143**	**2,031**	**1,310**	**79,380**
Natural Gas Liquids and LRGs	**2,448**	**1,566**	**224**	**-160**	**0**	**0**	**0**	**894**	**53**	**3,132**	**1,787**
Liquefied Petroleum Gases	1,295	1,566	224	-159	0	0	0	656	53	2,218	1,737
Pentanes Plus	1,153	0	0	-1	0	0	0	238	0	914	50
Other Liquids	**386**	**0**	**670**	**794**	**0**	**91**	**0**	**2,806**	**0**	**-865**	**31,722**
Other Hydrocarbons and Alcohol	386	0	0	-87	0	0	0	299	0	0	104
Unfinished Oils	0	0	253	832	0	91	0	2,133	0	-957	23,510
Motor Gasoline Blending Components	0	0	417	58	0	0	0	383	0	92	8,059
Aviation Gasoline Blending Components	0	0	0	-9	0	0	0	-9	0	0	49
Finished Petroleum Products	**0**	**85,864**	**1,360**	**-4,625**	**0**	**3,162**	**0**	**0**	**9,136**	**76,625**	**60,841**
Finished Motor Gasoline	0	37,917	356	-1,682	0	1,876	0	0	293	38,174	24,065
Finished Leaded Motor Gasoline	0	10,909	225	-309	0	803	0	0	3	11,625	7,415
Finished Unleaded Motor Gasoline	0	27,008	131	-1,373	0	1,073	0	0	290	26,549	16,650
Finished Aviation Gasoline	0	207	2	-21	0	0	0	0	0	188	445
Naphtha-Type Jet Fuel	0	1,705	3	-120	0	385	0	0	0	1,973	2,288
Kerosene-Type Jet Fuel	0	9,613	479	-226	0	186	0	0	55	9,997	6,776
Kerosene	0	149	0	47	0	0	0	0	1	195	352
Distillate Fuel Oil	0	13,024	56	-1,638	0	712	0	0	1,477	10,677	11,422
Residual Fuel Oil	0	10,859	79	-624	0	0	0	0	3,699	6,615	8,153
Naphtha and Other Oils for Petro. Feed. Use	0	633	36	-89	0	0	0	0	202	378	430
Special Naphthas	0	128	9	7	0	0	0	0	2	142	190
Lubricants	0	658	24	-232	0	3	0	0	71	382	2,183
Waxes	0	66	8	5	0	0	0	0	11	68	104
Petroleum Coke	0	4,016	0	410	0	0	0	0	3,321	1,105	1,614
Asphalt and Road Oil	0	2,324	308	-443	0	0	0	0	1	2,188	2,453
Still Gas	0	4,404	0	0	0	0	0	0	0	4,404	0
Miscellaneous Products	0	161	0	-19	0	0	0	0	3	139	366
Total	**98,082**	**87,430**	**9,260**	**-4,193**	**982**	**-17,293**	**4**	**82,843**	**11,219**	**80,202**	**173,730**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, June 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**90,816**	**0**	**5,047**	**-168**	**3,278**	**-19,865**	**0**	**74,975**	**3,046**	**1,087**	**79,548**
Natural Gas Liquids and LRGs	**2,652**	**1,752**	**195**	**-298**	**0**	**0**	**0**	**641**	**38**	**3,622**	**2,085**
Liquefied Petroleum Gases	1,365	1,752	195	-314	0	0	0	453	38	2,507	2,051
Pentanes Plus	1,287	0	0	16	0	0	0	188	0	1,115	34
Other Liquids	**254**	**0**	**231**	**97**	**0**	**70**	**0**	**1,588**	**0**	**-936**	**31,625**
Other Hydrocarbons and Alcohol	254	0	0	82	0	0	0	336	0	0	22
Unfinished Oils	0	0	0	132	0	70	0	1,068	0	-866	23,378
Motor Gasoline Blending Components	0	0	231	-142	0	0	0	159	0	-70	8,201
Aviation Gasoline Blending Components	0	0	0	25	0	0	0	25	0	0	24
Finished Petroleum Products	**0**	**79,796**	**1,388**	**2,923**	**0**	**3,142**	**0**	**0**	**7,768**	**79,481**	**57,918**
Finished Motor Gasoline	0	35,278	779	-440	0	1,862	0	0	241	37,238	24,505
Finished Leaded Motor Gasoline	0	9,880	339	-90	0	816	0	0	3	10,942	7,505
Finished Unleaded Motor Gasoline	0	25,398	440	-350	0	1,046	0	0	237	26,297	17,000
Finished Aviation Gasoline	0	178	5	17	0	0	0	0	0	200	428
Naphtha-Type Jet Fuel	0	1,574	0	186	0	397	0	0	0	2,157	2,102
Kerosene-Type Jet Fuel	0	8,736	115	1,567	0	206	0	0	73	10,551	5,209
Kerosene	0	108	0	36	0	0	0	0	(s)	144	316
Distillate Fuel Oil	0	12,241	133	394	0	655	0	0	1,010	12,413	11,028
Residual Fuel Oil	0	9,662	59	710	0	0	0	0	2,494	7,937	7,443
Naphtha and Other Oils for Petro. Feed. Use	0	537	72	65	0	0	0	0	268	406	365
Special Naphthas	0	98	15	51	0	21	0	0	(s)	185	139
Lubricants	0	555	50	399	0	1	0	0	74	931	1,784
Waxes	0	57	6	23	0	0	0	0	11	75	81
Petroleum Coke	0	3,962	10	-172	0	0	0	0	3,589	211	1,786
Asphalt and Road Oil	0	2,349	144	166	0	0	0	0	1	2,658	2,287
Still Gas	0	4,249	0	0	0	0	0	0	0	4,249	0
Miscellaneous Products	0	212	0	-79	0	0	0	0	6	127	445
Total	**93,722**	**81,548**	**6,861**	**2,554**	**3,278**	**-16,653**	**0**	**77,204**	**10,852**	**83,254**	**171,176**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, July 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**93,288**	**0**	**5,017**	**5,090**	**-2,310**	**-16,567**	**2**	**79,386**	**4,149**	**981**	**74,458**
Natural Gas Liquids and LRGs	**2,702**	**1,868**	**124**	**-470**	**0**	**0**	**0**	**744**	**39**	**3,441**	**2,555**
Liquefied Petroleum Gases	1,406	1,868	124	-456	0	0	0	566	39	2,337	2,507
Pentanes Plus	1,296	0	0	-14	0	0	0	178	0	1,104	48
Other Liquids	**350**	**0**	**314**	**1,346**	**0**	**0**	**0**	**2,347**	**0**	**-337**	**30,279**
Other Hydrocarbons and Alcohol	350	0	0	2	0	0	0	352	0	0	20
Unfinished Oils	0	0	1	934	0	0	0	1,451	0	-516	22,444
Motor Gasoline Blending Components	0	0	313	418	0	0	0	552	0	179	7,783
Aviation Gasoline Blending Components	0	0	0	-8	0	0	0	-8	0	0	32
Finished Petroleum Products	**0**	**85,020**	**2,156**	**1,473**	**0**	**2,879**	**0**	**0**	**8,737**	**82,791**	**56,445**
Finished Motor Gasoline	0	37,019	746	821	0	1,802	0	0	605	39,783	23,684
Finished Leaded Motor Gasoline	0	10,604	240	-63	0	714	0	0	2	11,493	7,568
Finished Unleaded Motor Gasoline	0	26,415	506	884	0	1,088	0	0	603	28,290	16,116
Finished Aviation Gasoline	0	228	5	51	0	0	0	0	0	284	377
Naphtha-Type Jet Fuel	0	1,388	5	210	0	403	0	0	0	2,006	1,892
Kerosene-Type Jet Fuel	0	10,281	712	-83	0	203	0	0	54	11,059	5,292
Kerosene	0	125	0	44	0	0	0	0	(s)	169	272
Distillate Fuel Oil	0	12,533	94	1,129	0	531	0	0	613	13,674	9,899
Residual Fuel Oil	0	10,989	243	-809	0	0	0	0	4,090	6,333	8,252
Naphtha and Other Oils for Petro. Feed. Use	0	446	0	9	0	0	0	0	160	295	356
Special Naphthas	0	94	16	22	0	0	0	0	(s)	132	117
Lubricants	0	662	24	68	0	-60	0	0	274	420	1,716
Waxes	0	97	6	-34	0	0	0	0	10	59	115
Petroleum Coke	0	4,032	23	-39	0	0	0	0	2,925	1,091	1,825
Asphalt and Road Oil	0	2,649	282	205	0	0	0	0	2	3,134	2,082
Still Gas	0	4,331	0	0	0	0	0	0	0	4,331	0
Miscellaneous Products	0	146	0	-121	0	0	0	0	3	22	566
Total	**96,340**	**86,888**	**7,610**	**7,439**	**-2,310**	**-13,688**	**2**	**82,477**	**12,925**	**86,875**	**163,737**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, August 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**93,367**	**0**	**5,628**	**489**	**1,861**	**-17,355**	**0**	**79,302**	**3,734**	**954**	**73,969**
Natural Gas Liquids and LRGs	**2,713**	**1,855**	**148**	**-499**	**0**	**0**	**0**	**799**	**50**	**3,367**	**3,054**
Liquefied Petroleum Gases	1,405	1,855	148	-467	0	0	0	611	50	2,279	2,974
Pentanes Plus	1,308	0	0	-32	0	0	0	188	0	1,088	80
Other Liquids	**300**	**0**	**1,061**	**-761**	**0**	**8**	**0**	**1,686**	**0**	**-1,078**	**31,040**
Other Hydrocarbons and Alcohol	300	0	0	-4	0	0	0	296	0	0	24
Unfinished Oils	0	0	366	-673	0	8	0	787	0	-1,086	23,117
Motor Gasoline Blending Components	0	0	695	-46	0	0	0	641	0	8	7,829
Aviation Gasoline Blending Components	0	0	0	-38	0	0	0	-38	0	0	70
Finished Petroleum Products	**0**	**83,734**	**1,353**	**925**	**0**	**2,803**	**0**	**0**	**7,357**	**81,458**	**55,520**
Finished Motor Gasoline	0	36,228	184	1,148	0	1,585	0	0	4	39,141	22,536
Finished Leaded Motor Gasoline	0	10,158	6	544	0	636	0	0	1	11,343	7,024
Finished Unleaded Motor Gasoline	0	26,070	178	604	0	949	0	0	3	27,798	15,512
Finished Aviation Gasoline	0	222	4	-13	0	0	0	0	0	213	390
Naphtha-Type Jet Fuel	0	1,420	6	44	0	358	0	0	60	1,768	1,848
Kerosene-Type Jet Fuel	0	10,324	224	296	0	195	0	0	37	11,002	4,996
Kerosene	0	162	0	8	0	0	0	0	19	151	264
Distillate Fuel Oil	0	12,172	278	-322	0	592	0	0	1,062	11,658	10,221
Residual Fuel Oil	0	11,494	401	-664	0	0	0	0	3,990	7,241	8,916
Naphtha and Other Oils for Petro. Feed. Use	0	415	0	21	0	0	0	0	52	384	335
Special Naphthas	0	151	7	-21	0	0	0	0	106	31	138
Lubricants	0	401	68	77	0	73	0	0	91	528	1,639
Waxes	0	49	2	12	0	0	0	0	15	48	103
Petroleum Coke	0	3,769	21	216	0	0	0	0	1,914	2,092	1,609
Asphalt and Road Oil	0	2,619	158	5	0	0	0	0	2	2,780	2,077
Still Gas	0	4,103	0	0	0	0	0	0	0	4,103	0
Miscellaneous Products	0	205	0	118	0	0	0	0	6	317	448
Total	**96,380**	**85,589**	**8,190**	**154**	**1,861**	**-14,544**	**0**	**81,787**	**11,142**	**84,701**	**163,583**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, September 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**88,977**	**0**	**7,250**	**-2,260**	**2,354**	**-15,255**	**4**	**77,012**	**3,218**	**832**	**76,229**
Natural Gas Liquids and LRGs	**2,618**	**1,655**	**148**	**-418**	**0**	**0**	**0**	**638**	**48**	**3,317**	**3,472**
Liquefied Petroleum Gases	1,402	1,655	148	-452	0	0	0	413	48	2,292	3,426
Pentanes Plus	1,216	0	0	34	0	0	0	225	0	1,025	46
Other Liquids	**481**	**0**	**902**	**-1,823**	**0**	**22**	**0**	**1,016**	**0**	**-1,434**	**32,863**
Other Hydrocarbons and Alcohol	481	0	0	-1	0	0	0	480	0	0	25
Unfinished Oils	0	0	0	-1,747	0	0	0	-471	0	-1,276	24,864
Motor Gasoline Blending Components	0	0	902	-103	0	22	0	979	0	-158	7,932
Aviation Gasoline Blending Components	0	0	0	28	0	0	0	28	0	0	42
Finished Petroleum Products	**0**	**81,099**	**2,694**	**-2,063**	**0**	**2,920**	**0**	**0**	**7,671**	**76,979**	**57,583**
Finished Motor Gasoline	0	34,695	994	-988	0	1,668	0	0	243	36,126	23,524
Finished Leaded Motor Gasoline	0	9,766	234	-462	0	710	0	0	1	10,247	7,486
Finished Unleaded Motor Gasoline	0	24,929	760	-526	0	958	0	0	243	25,878	16,038
Finished Aviation Gasoline	0	265	0	-112	0	0	0	0	0	153	502
Naphtha-Type Jet Fuel	0	1,191	0	461	0	357	0	0	0	2,009	1,387
Kerosene-Type Jet Fuel	0	9,506	753	-1,068	0	255	0	0	82	9,364	6,064
Kerosene	0	230	0	-7	0	0	0	0	0	223	271
Distillate Fuel Oil	0	12,081	370	-530	0	565	0	0	414	12,072	10,751
Residual Fuel Oil	0	11,674	327	-99	0	0	0	0	3,754	8,148	9,015
Naphtha and Other Oils for Petro. Feed. Use	0	408	72	84	0	0	0	0	234	330	251
Special Naphthas	0	142	7	-59	0	0	0	0	1	89	197
Lubricants	0	339	9	163	0	75	0	0	89	497	1,476
Waxes	0	65	4	6	0	0	0	0	10	65	97
Petroleum Coke	0	3,769	14	-110	0	0	0	0	2,841	832	1,719
Asphalt and Road Oil	0	2,508	144	158	0	0	0	0	1	2,809	1,919
Still Gas	0	4,020	0	0	0	0	0	0	0	4,020	0
Miscellaneous Products	0	206	0	38	0	0	0	0	3	241	410
Total	**92,076**	**82,754**	**10,994**	**-6,564**	**2,354**	**-12,313**	**4**	**78,666**	**10,938**	**79,694**	**170,147**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, October 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,850**	**0**	**5,972**	**-10,436**	**1,366**	**-16,443**	**4**	**73,306**	**2,222**	**777**	**86,665**
Natural Gas Liquids and LRGs	**2,642**	**1,569**	**276**	**-264**	**0**	**0**	**0**	**612**	**60**	**3,551**	**3,736**
Liquefied Petroleum Gases	1,369	1,569	276	-272	0	0	0	411	60	2,471	3,698
Pentanes Plus	1,273	0	0	8	0	0	0	201	0	1,080	38
Other Liquids	**558**	**0**	**1,295**	**760**	**0**	**108**	**0**	**3,081**	**0**	**-360**	**32,103**
Other Hydrocarbons and Alcohol	558	0	0	-3	0	0	0	555	0	0	28
Unfinished Oils	0	0	262	-300	0	108	0	666	0	-596	25,164
Motor Gasoline Blending Components	0	0	1,033	1,071	0	0	0	1,868	0	236	6,861
Aviation Gasoline Blending Components	0	0	0	-8	0	0	0	-8	0	0	50
Finished Petroleum Products	**0**	**78,950**	**2,732**	**-94**	**0**	**2,760**	**0**	**0**	**7,435**	**76,913**	**57,677**
Finished Motor Gasoline	0	32,687	1,492	526	0	1,664	0	0	177	36,192	22,998
Finished Leaded Motor Gasoline	0	9,072	303	-71	0	733	0	0	148	9,889	7,557
Finished Unleaded Motor Gasoline	0	23,615	1,189	597	0	931	0	0	28	26,304	15,441
Finished Aviation Gasoline	0	168	2	-11	0	0	0	0	0	159	513
Naphtha-Type Jet Fuel	0	1,460	0	-189	0	396	0	0	0	1,667	1,576
Kerosene-Type Jet Fuel	0	9,462	652	-1,008	0	220	0	0	62	9,264	7,072
Kerosene	0	251	0	-68	0	0	0	0	(s)	183	339
Distillate Fuel Oil	0	11,817	87	341	0	496	0	0	1,115	11,626	10,410
Residual Fuel Oil	0	12,113	98	598	0	0	0	0	4,207	8,602	8,417
Naphtha and Other Oils for Petro. Feed. Use	0	535	22	-99	0	0	0	0	102	356	350
Special Naphthas	0	80	6	33	0	0	0	0	3	116	164
Lubricants	0	615	101	-15	0	-16	0	0	147	538	1,491
Waxes	0	86	2	-10	0	0	0	0	9	69	107
Petroleum Coke	0	3,557	29	-10	0	0	0	0	1,572	2,004	1,729
Asphalt and Road Oil	0	2,251	241	-81	0	0	0	0	39	2,372	2,000
Still Gas	0	3,645	0	0	0	0	0	0	0	3,645	0
Miscellaneous Products	0	223	0	-101	0	0	0	0	3	119	511
Total	**99,050**	**80,519**	**10,275**	**-10,034**	**1,366**	**-13,575**	**4**	**76,999**	**9,717**	**80,881**	**180,181**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, November 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,180**	**0**	**4,418**	**-3,502**	**1,178**	**-19,819**	**0**	**72,613**	**4,084**	**758**	**90,167**
Natural Gas Liquids and LRGs	**3,012**	**1,288**	**249**	**384**	**0**	**0**	**0**	**889**	**74**	**3,971**	**3,352**
Liquefied Petroleum Gases	1,529	1,288	249	385	0	0	0	711	74	2,667	3,313
Pentanes Plus	1,483	0	0	-1	0	0	0	178	0	1,304	39
Other Liquids	**523**	**0**	**193**	**759**	**0**	**106**	**0**	**3,327**	**0**	**-1,746**	**31,344**
Other Hydrocarbons and Alcohol	523	0	0	9	0	0	0	532	0	0	19
Unfinished Oils	0	0	0	973	0	106	0	2,447	0	-1,368	24,191
Motor Gasoline Blending Components	0	0	193	-216	0	0	0	355	0	-378	7,077
Aviation Gasoline Blending Components	0	0	0	-7	0	0	0	-7	0	0	57
Finished Petroleum Products	**0**	**79,269**	**1,570**	**-2,250**	**0**	**3,102**	**0**	**0**	**7,354**	**74,337**	**59,927**
Finished Motor Gasoline	0	33,828	824	549	0	1,843	0	0	243	36,801	22,449
Finished Leaded Motor Gasoline	0	8,949	593	-74	0	800	0	0	5	10,263	7,631
Finished Unleaded Motor Gasoline	0	24,879	231	623	0	1,043	0	0	238	26,538	14,818
Finished Aviation Gasoline	0	89	2	-28	0	0	0	0	0	63	541
Naphtha-Type Jet Fuel	0	1,800	3	-100	0	355	0	0	0	2,058	1,676
Kerosene-Type Jet Fuel	0	9,380	7	-108	0	179	0	0	99	9,359	7,180
Kerosene	0	161	0	56	0	0	0	0	(s)	217	283
Distillate Fuel Oil	0	11,898	64	-547	0	660	0	0	361	11,714	10,957
Residual Fuel Oil	0	12,058	410	-1,602	0	0	0	0	2,888	7,978	10,019
Naphtha and Other Oils for Petro. Feed. Use	0	363	73	-7	0	0	0	0	73	356	357
Special Naphthas	0	118	3	-12	0	0	0	0	3	106	176
Lubricants	0	538	15	-48	0	65	0	0	129	441	1,539
Waxes	0	79	3	-4	0	0	0	0	6	72	111
Petroleum Coke	0	3,582	30	148	0	0	0	0	3,471	289	1,581
Asphalt and Road Oil	0	1,599	136	-146	0	0	0	0	76	1,513	2,146
Still Gas	0	3,638	0	0	0	0	0	0	0	3,638	0
Miscellaneous Products	0	138	0	-401	0	0	0	0	6	-269	912
Total	**98,715**	**80,557**	**6,430**	**-4,609**	**1,178**	**-16,611**	**0**	**76,829**	**11,512**	**77,319**	**184,790**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, December 1987
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**97,021**	**0**	**7,085**	**-150**	**3,611**	**-22,472**	**2**	**77,739**	**6,390**	**964**	**90,317**
Natural Gas Liquids and LRGs	**3,068**	**1,489**	**796**	**1,049**	**0**	**0**	**0**	**1,199**	**59**	**5,144**	**2,303**
Liquefied Petroleum Gases	1,523	1,489	796	1,053	0	0	0	1,034	59	3,768	2,260
Pentanes Plus	1,545	0	0	-4	0	0	0	165	0	1,376	43
Other Liquids	**590**	**0**	**295**	**1,116**	**0**	**0**	**0**	**2,848**	**0**	**-847**	**30,228**
Other Hydrocarbons and Alcohol	590	0	0	5	0	0	0	595	0	0	14
Unfinished Oils	0	0	0	1,541	0	0	0	2,311	0	-770	22,650
Motor Gasoline Blending Components	0	0	295	-456	0	0	0	-84	0	-77	7,533
Aviation Gasoline Blending Components	0	0	0	26	0	0	0	26	0	0	31
Finished Petroleum Products	**0**	**84,565**	**1,173**	**1,298**	**0**	**3,026**	**0**	**0**	**11,270**	**78,792**	**58,629**
Finished Motor Gasoline	0	36,557	540	625	0	1,873	0	0	893	38,702	21,824
Finished Leaded Motor Gasoline	0	9,867	14	101	0	727	0	0	12	10,697	7,530
Finished Unleaded Motor Gasoline	0	26,690	526	524	0	1,146	0	0	882	28,004	14,294
Finished Aviation Gasoline	0	52	2	111	0	0	0	0	0	165	430
Naphtha-Type Jet Fuel	0	1,508	0	-129	0	374	0	0	120	1,633	1,805
Kerosene-Type Jet Fuel	0	10,272	245	-85	0	157	0	0	341	10,248	7,265
Kerosene	0	142	0	24	0	0	0	0	0	166	259
Distillate Fuel Oil	0	13,051	82	-517	0	582	0	0	1,734	11,464	11,474
Residual Fuel Oil	0	12,331	60	1,705	0	0	0	0	5,308	8,788	8,314
Naphtha and Other Oils for Petro. Feed. Use	0	500	36	67	0	0	0	0	256	347	290
Special Naphthas	0	111	6	-5	0	13	0	0	4	121	181
Lubricants	0	567	68	-23	0	27	0	0	155	484	1,562
Waxes	0	60	2	7	0	0	0	0	8	61	104
Petroleum Coke	0	3,972	42	-326	0	0	0	0	2,445	1,243	1,907
Asphalt and Road Oil	0	1,139	90	-199	0	0	0	0	3	1,027	2,345
Still Gas	0	4,117	0	0	0	0	0	0	0	4,117	0
Miscellaneous Products	0	186	0	43	0	0	0	0	5	224	869
Total	**100,679**	**86,054**	**9,348**	**3,313**	**3,611**	**-19,446**	**2**	**81,786**	**17,719**	**84,053**	**181,477**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, January 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,245**	**40**
Florida	689	22
New York	56	2
Pennsylvania	265	9
Virginia	1	(s)
West Virginia	234	8
PAD District II, Total	**26,595**	**858**
Illinois	2,000	65
Indiana	333	11
Kansas	5,176	167
Kentucky	462	15
Michigan	2,275	73
Missouri	7	(s)
Nebraska	540	17
North Dakota	3,659	118
Ohio	1,009	33
Oklahoma	10,947	353
South Dakota	137	4
Tennessee	49	2
PAD District III, Total	**121,473**	**3,919**
Alabama	1,733	56
Arkansas	1,193	38
Louisiana [1]	14,816	478
Mississippi	2,426	78
New Mexico	6,127	198
Texas [1]	66,135	2,133
Federal Offshore PAD District III	29,044	937
PAD District IV, Total	**17,808**	**574**
Colorado	2,382	77
Montana	2,148	69
Utah	3,231	104
Wyoming	10,048	324
PAD District V, Total	**95,766**	**3,089**
Alaska [1]	62,598	2,019
South Alaska	1,508	49
North Slope	61,091	1,971
Arizona	11	(s)
California [1]	30,621	988
Nevada	267	9
Federal Offshore PAD District V	2,269	73
United States Total [1]	**262,888**	**8,480**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,316; California: State 2,675; Louisiana: State - 2,116; Texas: State - 158; U.S. Total, including Federal offshore - 37,578.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, February 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,134**	**41**
Florida	590	21
New York	56	2
Pennsylvania	258	9
Virginia	1	(s)
West Virginia	229	8
PAD District II, Total	**24,991**	**893**
Illinois	1,898	68
Indiana	330	12
Kansas	4,710	168
Kentucky	459	16
Michigan	2,016	72
Missouri	8	(s)
Nebraska	484	17
North Dakota	3,291	118
Ohio	977	35
Oklahoma	10,640	380
South Dakota	123	4
Tennessee	56	2
PAD District III, Total	**110,488**	**3,946**
Alabama	1,579	56
Arkansas	1,077	38
Louisiana [1]	13,477	481
Mississippi	2,178	78
New Mexico	5,566	199
Texas [1]	60,010	2,143
Federal Offshore PAD District III	26,601	950
PAD District IV, Total	**15,936**	**569**
Colorado	2,169	77
Montana	1,966	70
Utah	2,851	102
Wyoming	8,951	320
PAD District V, Total	**82,331**	**2,940**
Alaska [1]	51,879	1,853
South Alaska	1,284	46
North Slope	50,595	1,807
Arizona	10	(s)
California [1]	28,128	1,005
Nevada	239	9
Federal Offshore PAD District V	2,075	74
United States Total [1]	**234,880**	**8,389**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,131; California: State 2,413; Louisiana: State - 1,857; Texas: State - 140; U.S. Total, including Federal offshore - 34,218.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, March 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,314**	**42**
Florida	701	23
New York	64	2
Pennsylvania	288	9
Virginia	1	(s)
West Virginia	259	8
PAD District II, Total	**27,277**	**880**
Illinois	2,080	67
Indiana	343	11
Kansas	4,604	149
Kentucky	493	16
Michigan	2,218	72
Missouri	8	(s)
Nebraska	510	16
North Dakota	3,617	117
Ohio	1,123	36
Oklahoma	12,093	390
South Dakota	134	4
Tennessee	55	2
PAD District III, Total	**121,984**	**3,935**
Alabama	1,783	58
Arkansas	1,267	41
Louisiana [1]	15,650	505
Mississippi	2,423	78
New Mexico	6,182	199
Texas [1]	66,167	2,134
Federal Offshore PAD District III	28,513	920
PAD District IV, Total	**17,293**	**558**
Colorado	2,422	78
Montana	2,173	70
Utah	2,875	93
Wyoming	9,822	317
PAD District V, Total	**94,530**	**3,049**
Alaska [1]	61,007	1,968
South Alaska	1,393	45
North Slope	59,614	1,923
Arizona	11	(s)
California [1]	31,106	1,003
Nevada	266	9
Federal Offshore PAD District V	2,141	69
United States Total [1]	**262,398**	**8,464**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,236; California: State 2,641; Louisiana: State - 2,102; Texas: State - 150; U.S. Total, including Federal offshore - 36,784.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, April 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,286**	**43**
Florida	685	23
New York	63	2
Pennsylvania	300	10
Virginia	2	(s)
West Virginia	236	8
PAD District II, Total	**27,207**	**907**
Illinois	1,985	66
Indiana	345	12
Kansas	5,324	177
Kentucky	477	16
Michigan	2,168	72
Missouri	7	(s)
Nebraska	510	17
North Dakota	3,514	117
Ohio	1,023	34
Oklahoma	11,675	389
South Dakota	132	4
Tennessee	45	2
PAD District III, Total	**117,022**	**3,901**
Alabama	1,669	56
Arkansas	1,225	41
Louisiana [1]	14,868	496
Mississippi	2,326	78
New Mexico	5,903	197
Texas [1]	63,738	2,125
Federal Offshore PAD District III	27,293	910
PAD District IV, Total	**16,912**	**564**
Colorado	2,349	78
Montana	2,104	70
Utah	2,943	98
Wyoming	9,516	317
PAD District V, Total	**92,518**	**3,084**
Alaska [1]	59,707	1,990
South Alaska	1,318	44
North Slope	58,389	1,946
Arizona	10	(s)
California [1]	30,062	1,002
Nevada	255	9
Federal Offshore PAD District V	2,484	83
United States Total [1]	**254,945**	**8,498**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,174; California: State 2,520; Louisiana: State - 2,175; Texas: State - 153; U.S. Total, including Federal offshore - 35,798.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, May 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,310**	**42**
Florida	728	23
New York	64	2
Pennsylvania	280	9
Virginia	1	(s)
West Virginia	237	8
PAD District II, Total	**26,253**	**847**
Illinois	1,982	64
Indiana	205	7
Kansas	5,004	161
Kentucky	489	16
Michigan	2,219	72
Missouri	6	(s)
Nebraska	521	17
North Dakota	3,546	114
Ohio	1,040	34
Oklahoma	11,055	357
South Dakota	141	5
Tennessee	45	1
PAD District III, Total	**118,236**	**3,814**
Alabama	1,766	57
Arkansas	1,244	40
Louisiana [1]	14,701	474
Mississippi	2,429	78
New Mexico	6,057	195
Texas [1]	64,459	2,079
Federal Offshore PAD District III	27,580	890
PAD District IV, Total	**17,379**	**561**
Colorado	2,409	78
Montana	2,142	69
Utah	3,100	100
Wyoming	9,727	314
PAD District V, Total	**95,248**	**3,073**
Alaska [1]	61,357	1,979
South Alaska	1,378	44
North Slope	59,979	1,935
Arizona	11	(s)
California [1]	30,965	999
Nevada	264	9
Federal Offshore PAD District V	2,652	86
United States Total [1]	**258,426**	**8,336**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,221; California: State 2,538; Louisiana: State - 2,143; Texas: State - 164; U.S. Total, including Federal offshore - 36,297.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, June 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,236**	**41**
Florida	657	22
New York	65	2
Pennsylvania	285	10
Virginia	1	(s)
West Virginia	228	8
PAD District II, Total	**26,239**	**875**
Illinois	1,995	67
Indiana	313	10
Kansas	5,005	167
Kentucky	477	16
Michigan	2,175	73
Missouri	9	(s)
Nebraska	509	17
North Dakota	3,382	113
Ohio	1,007	34
Oklahoma	11,178	373
South Dakota	139	5
Tennessee	51	2
PAD District III, Total	**113,321**	**3,777**
Alabama	1,741	58
Arkansas	1,167	39
Louisiana [1]	14,004	467
Mississippi	2,331	78
New Mexico	5,805	194
Texas [1]	61,837	2,061
Federal Offshore PAD District III	26,436	881
PAD District IV, Total	**16,744**	**558**
Colorado	2,396	80
Montana	2,041	68
Utah	2,927	98
Wyoming	9,380	313
PAD District V, Total	**90,816**	**3,027**
Alaska [1]	57,899	1,930
South Alaska	1,334	44
North Slope	56,565	1,886
Arizona	11	(s)
California [1]	29,950	998
Nevada	244	8
Federal Offshore PAD District V	2,712	90
United States Total [1]	**248,356**	**8,279**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,147; California: State 2,460; Louisiana: State - 2,166; Texas: State - 155; U.S. Total, including Federal Offshore - 35,075.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, July 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,289**	**42**
Florida	703	23
New York	59	2
Pennsylvania	279	9
Virginia	1	(s)
West Virginia	247	8
PAD District II, Total	**26,937**	**869**
Illinois	2,050	66
Indiana	342	11
Kansas	5,199	168
Kentucky	493	16
Michigan	2,198	71
Missouri	11	(s)
Nebraska	514	17
North Dakota	3,509	113
Ohio	1,010	33
Oklahoma	11,416	368
South Dakota	141	5
Tennessee	54	2
PAD District III, Total	**117,022**	**3,775**
Alabama	1,803	58
Arkansas	1,184	38
Louisiana [1]	14,758	476
Mississippi	2,447	79
New Mexico	6,064	196
Texas [1]	63,677	2,054
Federal Offshore PAD District III	27,089	874
PAD District IV, Total	**17,246**	**556**
Colorado	2,468	80
Montana	2,091	67
Utah	3,056	99
Wyoming	9,632	311
PAD District V, Total	**93,288**	**3,009**
Alaska [1]	59,202	1,910
South Alaska	1,402	45
North Slope	57,801	1,865
Arizona	11	(s)
California [1]	30,897	997
Nevada	260	8
Federal Offshore PAD District V	2,918	94
United States Total [1]	**255,782**	**8,251**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,189; California: State 2,580; Louisiana: State - 2,223; Texas: State - 153; U.S. Total, including Federal Offshore - 36,153.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, August 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,271**	**41**
Florida	701	23
New York	61	2
Pennsylvania	274	9
Virginia	1	(s)
West Virginia	234	8
PAD District II, Total	**26,154**	**844**
Illinois	2,007	65
Indiana	213	7
Kansas	4,972	160
Kentucky	473	15
Michigan	2,199	71
Missouri	14	(s)
Nebraska	506	16
North Dakota	3,382	109
Ohio	1,006	32
Oklahoma	11,193	361
South Dakota	141	5
Tennessee	47	2
PAD District III, Total	**116,514**	**3,758**
Alabama	1,778	57
Arkansas	1,142	37
Louisiana [1]	14,846	479
Mississippi	2,334	75
New Mexico	6,134	198
Texas [1]	63,399	2,045
Federal Offshore PAD District III	26,880	867
PAD District IV, Total	**17,202**	**555**
Colorado	2,465	80
Montana	2,098	68
Utah	2,934	95
Wyoming	9,705	313
PAD District V, Total	**93,367**	**3,012**
Alaska [1]	59,143	1,908
South Alaska	1,310	42
North Slope	57,833	1,866
Arizona	11	(s)
California [1]	30,919	997
Nevada	263	8
Federal Offshore PAD District V	3,032	98
United States Total [1]	**254,508**	**8,210**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,120; California: State 2,588; Louisiana: State - 2,122; Texas: State - 109; U.S. Total, including Federal Offshore - 35,851.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, September 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,252**	**42**
Florida	686	23
New York	57	2
Pennsylvania	269	9
Virginia	2	(s)
West Virginia	239	8
PAD District II, Total	**25,904**	**863**
Illinois	1,983	66
Indiana	330	11
Kansas	5,008	167
Kentucky	471	16
Michigan	2,118	71
Missouri	11	(s)
Nebraska	494	16
North Dakota	3,338	111
Ohio	989	33
Oklahoma	10,973	366
South Dakota	133	4
Tennessee	55	2
PAD District III, Total	**113,340**	**3,778**
Alabama	1,692	56
Arkansas	1,167	39
Louisiana [1]	14,132	471
Mississippi	2,254	75
New Mexico	6,036	201
Texas [1]	61,622	2,054
Federal Offshore PAD District III	26,437	881
PAD District IV, Total	**16,691**	**556**
Colorado	2,423	81
Montana	2,022	67
Utah	2,986	100
Wyoming	9,260	309
PAD District V, Total	**88,977**	**2,966**
Alaska [1]	56,232	1,874
South Alaska	1,280	43
North Slope	54,952	1,832
Arizona	11	(s)
California [1]	29,985	1,000
Nevada	259	9
Federal Offshore PAD District V	2,490	83
United States Total [1]	**246,163**	**8,205**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 1,084; California: State 2,448; Louisiana: State - 2,081; Texas: State - 143; U.S. Total, including Federal Offshore - 34,684.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, October 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,284**	**41**
Florida	713	23
New York	56	2
Pennsylvania	274	9
Virginia	1	(s)
West Virginia	240	8
PAD District II, Total	**26,849**	**866**
Illinois	2,000	65
Indiana	334	11
Kansas	5,099	164
Kentucky	490	16
Michigan	2,172	70
Missouri	10	(s)
Nebraska	509	16
North Dakota	3,399	110
Ohio	1,017	33
Oklahoma	11,624	375
South Dakota	142	5
Tennessee	54	2
PAD District III, Total	**117,779**	**3,799**
Alabama	1,594	51
Arkansas	1,204	39
Louisiana [1]	15,061	486
Mississippi	2,350	76
New Mexico	6,287	203
Texas [1]	64,129	2,069
Federal Offshore PAD District III	27,155	876
PAD District IV, Total	**17,509**	**565**
Colorado	2,492	80
Montana	2,120	68
Utah	3,079	99
Wyoming	9,819	317
PAD District V, Total	**95,850**	**3,092**
Alaska [1]	61,563	1,986
South Alaska	1,315	42
North Slope	60,249	1,944
Arizona	12	(s)
California [1]	31,126	1,004
Nevada	269	9
Federal Offshore PAD District V	2,880	93
United States Total [1]	**259,272**	**8,364**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 3,085; California: State 2,541; Louisiana: State - 2,136; Texas: State - 164; U.S. Total, including Federal Offshore - 37,960.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, November 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,212**	**40**
Florida	698	23
New York	52	2
Pennsylvania	245	8
Virginia	1	(s)
West Virginia	216	7
PAD District II, Total	**25,214**	**840**
Illinois	1,900	63
Indiana	308	10
Kansas	4,762	159
Kentucky	447	15
Michigan	2,089	70
Missouri	7	(s)
Nebraska	491	16
North Dakota	3,290	110
Ohio	942	31
Oklahoma	10,791	360
South Dakota	137	5
Tennessee	50	2
PAD District III, Total	**113,514**	**3,784**
Alabama	1,711	57
Arkansas	1,173	39
Louisiana [1]	14,172	472
Mississippi	2,250	75
New Mexico	6,011	200
Texas [1]	62,107	2,070
Federal Offshore PAD District III	26,090	870
PAD District IV, Total	**16,795**	**560**
Colorado	2,307	77
Montana	2,063	69
Utah	2,890	96
Wyoming	9,535	318
PAD District V, Total	**95,180**	**3,173**
Alaska [1]	62,042	2,068
South Alaska	1,297	43
North Slope	60,745	2,025
Arizona	10	(s)
California [1]	30,043	1,001
Nevada	258	9
Federal Offshore PAD District V	2,828	94
United States Total [1]	**251,915**	**8,397**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,455; California: State 2,468; Louisiana: State - 2,021; Texas: State - 159; U.S. Total, including Federal Offshore - 38,021.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil (Including Lease Condensate) by PAD District and State, December 1987
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,301**	**42**
Florida	720	23
New York	57	2
Pennsylvania	285	9
Virginia	3	(s)
West Virginia	236	8
PAD District II, Total	**26,041**	**840**
Illinois	2,100	68
Indiana	342	11
Kansas	5,022	162
Kentucky	512	17
Michigan	2,125	69
Missouri	11	(s)
Nebraska	504	16
North Dakota	3,424	110
Ohio	1,010	33
Oklahoma	10,793	348
South Dakota	143	5
Tennessee	53	2
PAD District III, Total	**116,081**	**3,745**
Alabama	1,758	57
Arkansas	1,189	38
Louisiana [1]	14,542	469
Mississippi	2,355	76
New Mexico	6,156	199
Texas [1]	63,682	2,054
Federal Offshore PAD District III	26,399	852
PAD District IV, Total	**17,400**	**561**
Colorado	2,520	81
Montana	2,092	67
Utah	2,917	94
Wyoming	9,871	318
PAD District V, Total	**97,021**	**3,130**
Alaska [1]	63,325	2,043
South Alaska	1,331	43
North Slope	61,994	2,000
Arizona	11	(s)
California [1]	30,807	994
Nevada	268	9
Federal Offshore PAD District V	2,610	84
United States Total [1]	**257,844**	**8,318**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,469; California: State 2,524; Louisiana: State - 2,017; Texas: State - 141; U.S. Total, including Federal Offshore - 38,260.
The EIA did not receive final crude oil production data from the following states in time for publication: Alabama, California, Colorado, Illinois, Louisiana, Michigan, Mississippi, Missouri, Montana, Nevada, North Dakota, Oklahoma, Texas, PAD District III Federal, Offshore, PAD District V Federal Offshore, and Wyoming.
Annual oil production for Michigan, New York, Ohio, and Pennsylvania was prorated by months based on first purchaser monthly oil volumes collected on Form EIA-182, for these states.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products By PAD District, January 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**241**	**595**	**836**	**1,492**	**523**	**7,875**	**9,890**	**18,899**	**3,256**	**7,431**	**597**	**3,756**	**33,939**	**3,095**	**1,151**	**48,911**
Pentanes Plus	43	73	116	173	120	1,154	1,447	3,110	373	1,263	158	434	5,338	762	486	8,149
Liquefied Petroleum Gases	198	522	720	1,319	403	6,721	8,443	15,789	2,883	6,168	439	3,322	28,601	2,333	665	40,762
Ethane	52	177	229	503	3	2,378	2,884	6,541	1,408	2,737	94	1,534	12,314	448	2	15,877
Propane	90	222	312	502	245	2,887	3,634	5,957	1,258	2,102	184	1,167	10,668	1,204	371	16,189
Normal Butane	43	87	130	168	148	1,030	1,346	2,350	-749	631	112	382	2,726	518	202	4,922
Isobutane	13	36	49	146	7	426	579	941	966	698	49	239	2,893	163	90	3,774
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**15**	**18**	**40**	**55**	**3**	**22**	**2**	**122**	**4**	**0**	**144**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	8	0	0	1	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	8	0	0	1	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	47	3	0	0	50	0	0	50
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	15	18	39	0	0	22	1	62	4	0	84
Total Production	**241**	**595**	**836**	**1,495**	**523**	**7,890**	**9,908**	**18,939**	**3,311**	**7,434**	**619**	**3,758**	**34,061**	**3,099**	**1,151**	**49,055**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, February 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**221**	**536**	**757**	**1,308**	**463**	**7,476**	**9,247**	**17,386**	**2,708**	**6,852**	**532**	**3,209**	**30,687**	**2,837**	**1,649**	**45,177**
Pentanes Plus	39	64	103	159	109	998	1,266	2,852	255	1,138	135	373	4,753	719	809	7,650
Liquefied Petroleum Gases	182	472	654	1,149	354	6,478	7,981	14,534	2,453	5,714	397	2,836	25,934	2,118	840	37,527
Ethane	45	160	205	451	3	2,491	2,945	6,056	1,095	2,551	85	1,272	11,059	401	4	14,614
Propane	83	202	285	418	214	2,653	3,285	5,430	780	1,935	171	1,021	9,337	1,073	361	14,341
Normal Butane	41	78	119	152	131	910	1,193	2,176	-127	584	98	336	3,067	483	353	5,215
Isobutane	13	32	45	128	6	424	558	872	705	644	43	207	2,471	161	122	3,357
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**11**	**14**	**38**	**51**	**3**	**18**	**2**	**112**	**3**	**0**	**129**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	10	0	0	1	12	0	0	12
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	10	0	0	1	11	0	0	11
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	41	3	0	0	44	0	0	44
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	11	14	37	0	0	18	1	56	3	0	73
Total Production	**221**	**536**	**757**	**1,311**	**463**	**7,487**	**9,261**	**17,424**	**2,759**	**6,855**	**550**	**3,211**	**30,799**	**2,840**	**1,649**	**45,306**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, March 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**263**	**569**	**832**	**1,203**	**487**	**7,801**	**9,491**	**19,118**	**2,899**	**7,380**	**610**	**3,759**	**33,766**	**3,009**	**2,288**	**49,386**
Pentanes Plus	45	72	117	169	111	1,039	1,319	3,175	253	1,252	165	458	5,303	778	1,018	8,535
Liquefied Petroleum Gases	218	497	715	1,034	376	6,762	8,172	15,943	2,646	6,128	445	3,301	28,463	2,231	1,270	40,851
Ethane	59	158	217	392	3	2,633	3,028	6,663	978	2,798	81	1,556	12,076	440	6	15,767
Propane	97	216	313	378	224	2,767	3,369	5,966	1,087	2,029	186	1,141	10,409	1,114	441	15,646
Normal Butane	49	88	137	140	142	873	1,155	2,387	-302	621	131	392	3,229	496	592	5,609
Isobutane	13	35	48	124	7	489	620	927	883	680	47	212	2,749	181	231	3,829
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**17**	**20**	**41**	**58**	**2**	**17**	**0**	**118**	**5**	**0**	**143**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	49	1	0	0	50	0	0	50
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	17	20	40	0	1	17	0	58	5	0	83
Total Production	**263**	**569**	**832**	**1,206**	**487**	**7,818**	**9,511**	**19,159**	**2,957**	**7,382**	**627**	**3,759**	**33,884**	**3,014**	**2,288**	**49,529**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, April 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**243**	**565**	**808**	**1,211**	**496**	**7,519**	**9,226**	**18,484**	**3,146**	**7,222**	**548**	**3,583**	**32,983**	**2,909**	**1,631**	**47,557**
Pentanes Plus	41	74	115	160	117	1,025	1,302	3,158	314	1,194	176	409	5,251	812	720	8,200
Liquefied Petroleum Gases	202	491	693	1,051	379	6,494	7,924	15,326	2,832	6,028	372	3,174	27,732	2,097	911	39,357
Ethane	55	167	222	471	3	2,569	3,043	6,288	1,136	2,799	80	1,593	11,896	412	6	15,579
Propane	87	207	294	331	227	2,634	3,192	5,788	1,353	1,970	150	1,047	10,308	1,052	397	15,243
Normal Butane	48	84	132	128	142	839	1,109	2,337	-1,287	612	99	346	2,107	449	360	4,157
Isobutane	12	33	45	121	7	452	580	913	1,630	647	43	188	3,421	184	148	4,378
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**7**	**10**	**43**	**51**	**2**	**19**	**1**	**116**	**5**	**0**	**131**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	42	2	0	0	44	0	0	44
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	7	10	42	0	0	19	1	62	5	0	77
Total Production	**243**	**565**	**808**	**1,214**	**496**	**7,526**	**9,236**	**18,527**	**3,197**	**7,224**	**567**	**3,584**	**33,099**	**2,914**	**1,631**	**47,688**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products By PAD District, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**192**	**590**	**782**	**1,223**	**494**	**7,255**	**8,972**	**19,139**	**3,164**	**7,275**	**563**	**3,699**	**33,840**	**2,972**	**2,448**	**49,014**
Pentanes Plus	23	77	100	146	126	1,024	1,296	3,437	280	1,259	165	472	5,613	862	1,153	9,024
Liquefied Petroleum Gases	169	513	682	1,077	368	6,231	7,676	15,702	2,884	6,016	398	3,227	28,227	2,110	1,295	39,990
Ethane	62	180	242	456	2	2,440	2,898	6,456	990	2,681	72	1,608	11,807	442	6	15,395
Propane	65	215	280	366	217	2,512	3,095	5,873	1,340	2,009	170	1,056	10,448	1,028	411	15,262
Normal Butane	39	85	124	131	142	802	1,075	2,428	-982	652	100	371	2,569	450	643	4,861
Isobutane	3	33	36	124	7	477	608	945	1,536	674	56	192	3,403	190	235	4,472
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**16**	**19**	**39**	**54**	**2**	**15**	**3**	**113**	**4**	**0**	**136**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	45	2	0	0	47	0	0	47
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	16	19	38	0	0	15	3	56	4	0	79
Total Production	**192**	**590**	**782**	**1,226**	**494**	**7,271**	**8,991**	**19,178**	**3,218**	**7,277**	**578**	**3,702**	**33,953**	**2,976**	**2,448**	**49,150**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, June 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**249**	**384**	**633**	**1,272**	**472**	**6,871**	**8,615**	**18,333**	**2,974**	**7,119**	**577**	**3,539**	**32,542**	**2,779**	**2,652**	**47,221**
Pentanes Plus	49	55	104	163	126	1,052	1,341	3,423	177	1,271	180	476	5,527	816	1,287	9,075
Liquefied Petroleum Gases	200	329	529	1,109	346	5,819	7,274	14,910	2,797	5,848	397	3,063	27,015	1,963	1,365	38,146
Ethane	56	105	161	443	2	2,216	2,661	6,066	1,192	2,626	69	1,478	11,431	402	8	14,663
Propane	86	145	231	406	205	2,362	2,973	5,598	1,252	1,937	169	1,034	9,990	963	402	14,559
Normal Butane	44	59	103	134	131	736	1,001	2,334	-1,252	643	113	370	2,208	433	708	4,453
Isobutane	14	20	34	126	8	505	639	912	1,605	642	46	181	3,386	165	247	4,471
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**14**	**17**	**42**	**52**	**2**	**14**	**2**	**112**	**2**	**0**	**131**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	43	2	0	0	45	0	0	45
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	14	17	41	0	0	14	2	57	2	0	76
Total Production	**249**	**384**	**633**	**1,275**	**472**	**6,885**	**8,632**	**18,375**	**3,026**	**7,121**	**591**	**3,541**	**32,654**	**2,781**	**2,652**	**47,352**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**253**	**517**	**770**	**1,311**	**495**	**7,315**	**9,121**	**18,566**	**3,186**	**6,963**	**609**	**4,142**	**33,466**	**2,860**	**2,702**	**48,919**
Pentanes Plus	53	67	120	166	130	1,139	1,435	3,538	303	1,237	170	580	5,828	810	1,296	9,489
Liquefied Petroleum Gases	200	450	650	1,145	365	6,176	7,686	15,028	2,883	5,726	439	3,562	27,638	2,050	1,406	39,430
Ethane	56	165	221	460	3	2,267	2,730	5,947	1,195	2,568	72	1,681	11,463	430	6	14,850
Propane	81	187	268	420	215	2,606	3,241	5,715	1,484	1,886	188	1,206	10,479	999	394	15,381
Normal Butane	49	68	117	140	139	796	1,075	2,405	-1,396	628	124	441	2,202	453	744	4,591
Isobutane	14	30	44	125	8	507	640	961	1,600	644	55	234	3,494	168	262	4,608
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**15**	**16**	**37**	**44**	**0**	**15**	**3**	**99**	**3**	**0**	**118**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	8	0	0	0	9	0	0	9
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	8
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	36	0	0	0	36	0	0	36
Distillate Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	15	16	36	0	0	15	3	54	3	0	73
Total Production	**253**	**517**	**770**	**1,312**	**495**	**7,330**	**9,137**	**18,603**	**3,230**	**6,963**	**624**	**4,145**	**33,565**	**2,863**	**2,702**	**49,037**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, August 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**238**	**448**	**686**	**1,339**	**437**	**7,408**	**9,184**	**18,749**	**2,916**	**6,657**	**547**	**4,224**	**33,093**	**2,901**	**2,713**	**48,577**
Pentanes Plus	47	56	103	152	123	1,153	1,428	3,603	272	1,195	179	588	5,837	735	1,308	9,411
Liquefied Petroleum Gases	191	392	583	1,187	314	6,255	7,756	15,146	2,644	5,462	368	3,636	27,256	2,166	1,405	39,166
Ethane	53	166	219	435	2	2,412	2,849	6,107	1,105	2,425	45	1,655	11,337	509	4	14,918
Propane	85	148	233	485	185	2,553	3,223	5,670	1,245	1,797	170	1,275	10,157	1,059	381	15,053
Normal Butane	49	53	102	144	119	776	1,039	2,395	-1,280	598	109	468	2,290	418	755	4,604
Isobutane	4	25	29	123	8	514	645	974	1,574	642	44	238	3,472	180	265	4,591
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**17**	**18**	**38**	**48**	**2**	**11**	**2**	**101**	**5**	**0**	**124**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	39	1	0	0	40	0	0	40
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	17	18	37	0	1	11	2	51	5	0	74
Total Production	**238**	**448**	**686**	**1,340**	**437**	**7,425**	**9,202**	**18,787**	**2,964**	**6,659**	**558**	**4,226**	**33,194**	**2,906**	**2,713**	**48,701**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, September 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**209**	**534**	**743**	**1,083**	**455**	**7,158**	**8,696**	**18,266**	**2,849**	**6,718**	**589**	**4,060**	**32,482**	**2,781**	**2,618**	**47,320**
Pentanes Plus	38	71	109	147	114	1,089	1,350	3,348	293	1,196	154	537	5,528	734	1,216	8,937
Liquefied Petroleum Gases	171	463	634	936	341	6,069	7,346	14,918	2,556	5,522	435	3,523	26,954	2,047	1,402	38,383
Ethane	48	156	204	279	1	2,348	2,628	6,071	1,070	2,466	74	1,692	11,373	380	5	14,590
Propane	73	199	272	400	203	2,441	3,044	5,558	1,264	1,826	190	1,186	10,024	1,071	396	14,807
Normal Butane	41	78	119	136	129	775	1,040	2,340	-1,355	588	120	426	2,119	428	732	4,438
Isobutane	9	30	39	121	8	505	634	949	1,577	642	51	219	3,438	168	269	4,548
Finished Petroleum Products	**0**	**0**	**0**	**9**	**0**	**17**	**26**	**37**	**43**	**1**	**15**	**2**	**98**	**6**	**0**	**130**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	10	0	0	0	11	0	0	11
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	10
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	33	1	0	0	34	0	0	34
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	17	26	36	0	0	15	2	53	6	0	85
Total Production	**209**	**534**	**743**	**1,092**	**455**	**7,175**	**8,722**	**18,303**	**2,892**	**6,719**	**604**	**4,062**	**32,580**	**2,787**	**2,618**	**47,450**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, October 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**227**	**595**	**822**	**829**	**469**	**8,432**	**9,730**	**18,837**	**2,778**	**7,126**	**626**	**3,913**	**33,280**	**3,075**	**2,642**	**49,549**
Pentanes Plus	42	71	113	150	118	1,199	1,467	3,401	320	1,277	182	540	5,720	861	1,273	9,434
Liquefied Petroleum Gases	185	524	709	679	351	7,233	8,263	15,436	2,458	5,849	444	3,373	27,560	2,214	1,369	40,115
Ethane	43	182	225	129	1	2,814	2,944	6,383	1,154	2,535	73	1,567	11,712	400	3	15,284
Propane	81	229	310	320	213	2,889	3,422	5,732	1,358	1,926	188	1,159	10,363	1,141	409	15,645
Normal Butane	48	80	128	117	130	956	1,203	2,399	−1,636	613	132	432	1,940	498	707	4,476
Isobutane	13	33	46	113	7	574	694	922	1,582	775	51	215	3,545	175	250	4,710
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**20**	**21**	**31**	**48**	**1**	**16**	**2**	**98**	**2**	**0**	**121**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	10	0	0	0	11	0	0	11
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	10
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	38	0	0	0	38	0	0	38
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	20	21	30	0	1	16	2	49	2	0	72
Total Production	**227**	**595**	**822**	**830**	**469**	**8,452**	**9,751**	**18,868**	**2,826**	**7,127**	**642**	**3,915**	**33,378**	**3,077**	**2,642**	**49,670**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**226**	**549**	**775**	**817**	**463**	**8,309**	**9,589**	**18,405**	**2,186**	**7,297**	**520**	**4,044**	**32,452**	**3,139**	**3,012**	**48,967**
Pentanes Plus	44	63	107	148	113	1,157	1,418	3,170	256	1,254	145	515	5,340	780	1,483	9,128
Liquefied Petroleum Gases	182	486	668	669	350	7,152	8,171	15,235	1,930	6,043	375	3,529	27,112	2,359	1,529	39,839
Ethane	39	178	217	140	1	2,782	2,923	6,301	1,037	2,691	80	1,626	11,735	525	1	15,401
Propane	82	203	285	313	212	2,844	3,369	5,637	1,280	1,979	153	1,220	10,269	1,173	383	15,479
Normal Butane	47	75	122	109	130	1,088	1,327	2,371	-1,646	658	97	453	1,933	483	860	4,725
Isobutane	14	30	44	107	7	438	552	926	1,259	715	45	230	3,175	178	285	4,234
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**17**	**18**	**42**	**49**	**6**	**17**	**1**	**115**	**3**	**0**	**136**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	40	6	0	0	46	0	0	46
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	17	18	41	0	0	17	1	59	3	0	80
Total Production	**226**	**549**	**775**	**818**	**463**	**8,326**	**9,607**	**18,447**	**2,235**	**7,303**	**537**	**4,045**	**32,567**	**3,142**	**3,012**	**49,103**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, December 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**221**	**675**	**896**	**802**	**402**	**8,096**	**9,300**	**18,592**	**2,582**	**7,528**	**538**	**4,034**	**33,274**	**3,578**	**3,068**	**50,116**
Pentanes Plus	41	83	124	151	111	1,178	1,440	3,196	163	1,314	142	532	5,347	765	1,545	9,221
Liquefied Petroleum Gases	180	592	772	651	291	6,918	7,860	15,396	2,419	6,214	396	3,502	27,927	2,813	1,523	40,895
Ethane	39	186	225	136	0	2,393	2,529	6,295	944	2,753	90	1,510	11,592	727	6	15,079
Propane	85	272	357	306	151	2,955	3,412	5,781	1,255	2,023	160	1,262	10,481	1,331	376	15,957
Normal Butane	43	96	139	103	133	1,144	1,380	2,395	-1,152	697	94	482	2,516	547	847	5,429
Isobutane	13	38	51	106	7	426	539	925	1,372	741	52	248	3,338	208	294	4,430
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**17**	**18**	**44**	**51**	**0**	**19**	**0**	**114**	**2**	**0**	**134**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	42	0	0	0	42	0	0	42
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	17	18	43	0	0	19	0	62	2	0	82
Total Production	**221**	**675**	**896**	**803**	**402**	**8,113**	**9,318**	**18,636**	**2,633**	**7,528**	**557**	**4,034**	**33,388**	**3,580**	**3,068**	**50,250**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**31,194**	**2,869**	**34,063**	**58,152**	**8,623**	**19,116**	**85,891**	**14,473**	**90,745**	**71,250**	**5,290**	**1,931**	**183,689**	**13,004**	**73,009**	**389,656**
Pentanes Plus	33	1	34	484	127	703	1,314	1,065	1,597	302	68	112	3,144	168	188	4,848
Liquefied Petroleum Gases	302	84	386	2,752	385	1,183	4,320	982	2,349	3,293	157	70	6,851	559	880	12,996
Ethane	0	0	0	0	0	0	0	0	17	41	0	0	58	0	0	58
Propane	0	0	0	80	0	0	80	48	1	21	0	0	70	0	11	161
Normal Butane	219	84	303	1,683	288	754	2,725	549	1,447	2,035	67	44	4,142	480	739	8,389
Isobutane	83	0	83	989	97	429	1,515	385	884	1,196	90	26	2,581	79	130	4,388
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	241	2	0	243	0	1,024	609	0	8	1,641	0	448	2,332
Unfinished Oil (net)	5,389	377	5,766	77	34	765	876	469	2,721	-1,268	139	-48	2,013	-347	836	9,144
Motor Gasoline Blending Components (net)	629	-15	614	1,687	-94	177	1,770	59	1,070	773	-25	-58	1,819	-242	184	4,145
Aviation Gasoline Blending Components (net)	0	0	0	-21	0	6	-15	0	0	-18	0	0	-18	0	-11	-44
Total Input to Refineries	**37,547**	**3,316**	**40,863**	**63,372**	**9,077**	**21,950**	**94,399**	**17,048**	**99,506**	**74,941**	**5,629**	**2,015**	**199,139**	**13,142**	**75,534**	**423,077**
Crude Oil Distillation																
Gross Input (daily average)	1,017	93	1,110	1,881	278	623	2,783	470	2,956	2,322	167	62	5,977	418	2,437	12,725
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,632	255	76	7,089	534	3,213	15,566
Operating Ratio (percent)[1]	75.9	86.5	76.7	84.2	87.9	85.4	84.8	82.6	83.1	88.2	65.3	81.8	84.3	78.3	75.8	81.8
Downstream Processing Fresh Feed Input (daily average)																
Catalytic Cracking	503	0	503	650	105	221	975	174	982	615	29	20	1,820	146	629	4,072
Catalytic Hydrocracking	54	4	58	108	0	6	114	0	140	190	0	0	330	5	409	916
Cokers	66	0	66	140	53	60	252	6	171	325	14	0	517	16	434	1,285
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.72	.73	.72	.89	1.91	.59	.92	.59	.93	1.27	1.27	.90	1.04	.78	1.05	.98
API Gravity, Weighted Average	33.85	38.58	34.27	35.70	29.73	37.59	35.51	38.64	34.08	30.80	34.58	38.62	33.23	36.28	24.38	32.26
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,632**	**255**	**76**	**7,089**	**534**	**3,213**	**15,566**
Operating	1,285	108	1,393	2,154	312	721	3,187	535	3,442	2,569	234	76	6,855	517	2,989	14,940
Idle	56	0	56	81	5	9	95	34	116	62	22	0	234	17	224	625
Alaskan Crude Oil Receipts	**1,808**	**0**	**1,808**	**150**	**0**	**0**	**150**	**0**	**5,945**	**6,446**	**0**	**0**	**12,391**	**0**	**34,498**	**48,847**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, February 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**29,535**	**2,655**	**32,190**	**52,068**	**7,665**	**16,504**	**76,237**	**12,356**	**79,124**	**57,760**	**4,654**	**1,474**	**155,368**	**11,711**	**68,607**	**344,113**
Pentanes Plus	26	1	27	416	0	614	1,030	1,074	1,293	252	69	100	2,788	130	198	4,173
Liquefied Petroleum Gases	313	62	375	2,084	215	797	3,096	760	1,946	2,070	147	65	4,988	444	649	9,552
Ethane	0	0	0	0	0	0	0	0	0	41	0	0	41	0	0	41
Propane	0	0	0	73	0	0	73	43	193	21	0	0	257	0	0	330
Normal Butane	234	62	296	1,203	136	444	1,783	416	1,070	1,325	59	38	2,908	389	392	5,768
Isobutane	79	0	79	808	79	353	1,240	301	683	683	88	27	1,782	55	257	3,413
Other Liquids																
Other Hydrocarbons and Alcohol	27	0	27	261	3	0	264	0	722	485	0	6	1,213	0	364	1,868
Unfinished Oil (net)	3,167	75	3,242	-893	-102	189	-806	205	924	635	69	102	1,935	-685	-1,373	2,313
Motor Gasoline Blending Components (net)	851	27	878	1,086	-633	269	722	2	388	241	8	6	645	-321	-363	1,561
Aviation Gasoline Blending Components (net)	0	0	0	-33	0	1	-32	0	0	-34	0	0	-34	7	-14	-73
Total Input to Refineries	**33,919**	**2,820**	**36,739**	**54,989**	**7,148**	**18,374**	**80,511**	**14,397**	**84,397**	**61,409**	**4,947**	**1,753**	**166,903**	**11,286**	**68,068**	**363,507**
Crude Oil Distillation																
Gross Input (daily average)	1,064	97	1,161	1,877	274	593	2,743	441	2,856	2,082	163	53	5,595	418	2,500	12,417
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,632	255	76	7,089	534	3,195	15,548
Operating Ratio (percent)[1]	79.4	90.2	80.2	84.0	86.4	81.3	83.6	77.6	80.3	79.1	63.7	69.8	78.9	78.4	78.3	79.9
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	477	0	477	678	101	205	984	165	1,035	529	29	21	1,780	140	669	4,049
Catalytic Hydrocracking	53	0	53	101	0	5	106	0	154	214	0	0	368	7	406	940
Cokers	68	0	68	142	51	65	258	6	182	298	13	0	500	17	455	1,298
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.73	.69	.73	.93	1.94	.55	.95	.61	.92	1.14	1.21	.86	.98	.77	1.04	.96
API Gravity, Weighted Average	33.57	38.22	33.96	35.58	29.92	37.67	35.46	38.61	34.47	31.62	34.93	39.36	33.80	36.28	24.71	32.42
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,632**	**255**	**76**	**7,089**	**534**	**3,195**	**15,548**
Operating	1,208	108	1,315	2,154	312	714	3,180	535	3,421	2,531	213	76	6,775	517	2,962	14,748
Idle	133	0	133	81	5	16	102	34	137	101	42	0	314	17	233	799
Alaskan Crude Oil Receipts	**1,150**	**0**	**1,150**	**405**	**0**	**0**	**405**	**0**	**6,053**	**5,717**	**0**	**0**	**11,770**	**0**	**33,120**	**46,445**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, March 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**31,337**	**3,165**	**34,502**	**55,719**	**8,625**	**18,604**	**82,948**	**14,498**	**86,328**	**64,196**	**5,026**	**2,031**	**172,079**	**11,192**	**73,775**	**374,496**
Pentanes Plus	35	1	36	444	88	723	1,255	1,147	1,446	255	78	127	3,053	140	151	4,635
Liquefied Petroleum Gases	119	50	169	2,107	206	829	3,142	707	1,325	2,149	71	57	4,309	529	583	8,732
Ethane	0	0	0	0	0	0	0	0	0	56	0	0	56	0	0	56
Propane	0	0	0	80	0	0	80	49	106	26	0	0	181	0	0	261
Normal Butane	100	50	150	1,078	149	411	1,638	298	507	1,264	16	34	2,119	461	321	4,689
Isobutane	19	0	19	949	57	418	1,424	360	712	803	55	23	1,953	68	262	3,726
Other Liquids																
Other Hydrocarbons and Alcohol	7	0	7	178	4	13	195	0	981	467	0	5	1,453	0	398	2,053
Unfinished Oil (net)	6,358	136	6,494	-682	72	-322	-932	-170	2,601	1,986	-421	20	4,016	312	1,332	11,222
Motor Gasoline Blending Components (net)	1,751	19	1,770	1,556	24	24	1,604	75	520	-41	116	23	693	163	1,256	5,486
Aviation Gasoline Blending Components (net)	0	0	0	20	0	-5	15	0	0	47	0	0	47	0	23	85
Total Input to Refineries	**39,607**	**3,371**	**42,978**	**59,342**	**9,019**	**19,866**	**88,227**	**16,257**	**93,201**	**69,059**	**4,870**	**2,263**	**185,650**	**12,336**	**77,518**	**406,709**
Crude Oil Distillation																
Gross Input (daily average)	1,019	102	1,121	1,811	278	607	2,695	472	2,829	2,121	160	65	5,647	360	2,413	12,237
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,632	255	76	7,089	534	3,207	15,559
Operating Ratio (percent)[1]	76.0	94.9	77.4	81.0	87.9	83.1	82.1	83.0	79.5	80.6	62.7	86.2	79.7	67.5	75.2	78.6
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	468	0	468	653	106	208	967	175	970	624	17	22	1,807	128	684	4,054
Catalytic Hydrocracking	28	4	32	63	0	5	69	0	181	214	0	0	395	6	303	806
Cokers	29	0	29	127	51	60	238	7	170	280	12	0	469	20	422	1,177
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.73	.65	.72	.87	1.94	.60	.92	.59	.93	1.10	1.22	.86	.97	.67	1.02	.94
API Gravity, Weighted Average	33.38	37.73	33.77	36.17	30.20	37.52	35.85	38.72	34.53	31.45	35.20	39.47	33.78	37.16	25.79	32.71
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,632**	**255**	**76**	**7,089**	**534**	**3,207**	**15,559**
Operating	1,192	108	1,299	2,153	312	730	3,194	525	3,454	2,531	223	76	6,807	517	2,998	14,816
Idle	149	0	149	83	5	0	87	44	104	101	33	0	282	17	209	743
Alaskan Crude Oil Receipts	**1,390**	**0**	**1,390**	**2,179**	**0**	**0**	**2,179**	**0**	**3,129**	**7,904**	**0**	**0**	**11,033**	**0**	**37,532**	**52,134**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, April 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**34,892**	**2,756**	**37,648**	**58,180**	**8,327**	**19,485**	**85,992**	**13,655**	**79,792**	**61,220**	**4,620**	**2,036**	**161,323**	**12,899**	**77,502**	**375,364**
Pentanes Plus	30	0	30	340	80	512	932	1,151	1,559	339	62	131	3,242	119	171	4,494
Liquefied Petroleum Gases	113	49	162	1,934	136	573	2,643	668	1,298	2,250	92	43	4,351	385	678	8,219
Ethane	0	0	0	0	0	0	0	0	0	53	0	0	53	0	0	53
Propane	0	0	0	70	0	0	70	42	101	25	0	0	168	1	1	240
Normal Butane	46	49	95	789	67	216	1,072	272	459	1,171	8	15	1,925	325	380	3,797
Isobutane	67	0	67	1,075	69	357	1,501	354	738	1,001	84	28	2,205	59	297	4,129
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	211	4	30	245	0	673	401	0	5	1,079	0	294	1,618
Unfinished Oil (net)	2,090	112	2,202	-1,313	-190	467	-1,036	338	11,685	2,958	102	49	15,132	-490	23	15,831
Motor Gasoline Blending Components (net)	590	13	603	349	99	-79	369	235	1,332	1,859	-23	57	3,460	128	-301	4,259
Aviation Gasoline Blending Components (net)	0	0	0	2	0	5	7	0	0	-31	0	0	-31	0	-6	-30
Total Input to Refineries	**37,715**	**2,930**	**40,645**	**59,703**	**8,456**	**20,993**	**89,152**	**16,047**	**96,339**	**68,996**	**4,853**	**2,321**	**188,556**	**13,041**	**78,361**	**409,755**
Crude Oil Distillation																
Gross Input (daily average)	1,163	92	1,255	1,952	278	653	2,882	457	2,690	2,079	155	68	5,449	429	2,623	12,637
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,632	261	76	7,095	536	3,204	15,565
Operating Ratio (percent)[1]	86.7	85.3	86.6	87.3	87.6	89.5	87.8	80.3	75.6	79.0	59.3	89.8	76.8	80.1	81.8	81.2
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	488	0	488	695	92	221	1,008	169	1,114	760	29	24	2,096	139	695	4,426
Catalytic Hydrocracking	26	5	31	80	0	7	87	0	178	203	0	0	380	6	389	893
Cokers	20	0	20	122	48	68	239	6	167	275	11	0	460	14	467	1,200
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.82	.71	.81	.92	1.80	.56	.92	.59	.80	1.00	1.20	.87	.87	.75	1.05	.91
API Gravity, Weighted Average	32.72	37.64	33.11	36.06	30.22	37.37	35.79	38.54	34.79	31.93	34.65	40.00	34.10	36.95	25.10	32.61
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,632**	**261**	**76**	**7,095**	**536**	**3,204**	**15,565**
Operating	1,282	108	1,389	2,153	312	730	3,194	525	3,484	2,436	213	76	6,733	519	3,034	14,870
Idle	59	0	59	83	5	0	87	44	74	196	48	0	362	17	170	695
Alaskan Crude Oil Receipts	**1,416**	**0**	**1,416**	**2,043**	**0**	**0**	**2,043**	**0**	**4,599**	**7,164**	**0**	**0**	**11,763**	**0**	**39,309**	**54,531**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, May 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**36,172**	**3,259**	**39,431**	**59,209**	**6,863**	**20,249**	**86,321**	**14,871**	**87,838**	**64,180**	**4,969**	**2,107**	**173,965**	**13,368**	**79,143**	**392,228**
Pentanes Plus	11	0	11	420	75	442	937	1,129	1,817	487	73	145	3,651	104	238	4,941
Liquefied Petroleum Gases	102	18	120	1,898	126	609	2,633	627	1,584	2,204	119	40	4,574	366	656	8,349
Ethane	0	0	0	0	0	0	0	0	0	48	0	0	48	0	0	48
Propane	0	0	0	80	0	0	80	32	113	31	0	0	176	3	9	268
Normal Butane	16	18	34	746	46	215	1,007	217	679	1,207	19	10	2,132	320	364	3,857
Isobutane	86	0	86	1,072	80	394	1,546	378	792	918	100	30	2,218	43	283	4,176
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	210	4	10	224	0	679	418	0	12	1,109	0	299	1,632
Unfinished Oil (net)	2,357	87	2,444	1,924	-433	366	1,857	299	10,556	-761	308	-22	10,380	113	2,133	16,927
Motor Gasoline Blending Components (net)	1,472	12	1,484	958	572	544	2,074	230	444	-300	63	41	478	410	383	4,829
Aviation Gasoline Blending Components (net)	0	0	0	-4	0	-10	-14	0	0	10	0	0	10	0	-9	-13
Total Input to Refineries	**40,114**	**3,376**	**43,490**	**64,615**	**7,207**	**22,210**	**94,032**	**17,156**	**102,918**	**66,238**	**5,532**	**2,323**	**194,167**	**14,361**	**82,843**	**428,893**
Crude Oil Distillation																
Gross Input (daily average)	1,170	105	1,275	1,916	221	658	2,795	480	2,890	2,123	163	68	5,725	434	2,619	12,848
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,632	261	76	7,095	536	3,204	15,565
Operating Ratio (percent)[1]	87.3	97.6	88.1	85.7	69.9	90.2	85.2	84.4	81.2	80.7	62.6	90.4	80.7	81.0	81.7	82.5
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	488	0	488	727	66	223	1,016	172	1,216	731	31	23	2,174	135	694	4,506
Catalytic Hydrocracking	54	4	58	119	0	6	125	0	186	178	0	0	364	5	434	986
Cokers	59	0	59	117	25	64	206	6	168	267	9	0	449	16	461	1,191
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.14	.53	1.09	99	1.49	.57	.93	58	80	1.06	1.29	89	.89	79	1.08	96
API Gravity, Weighted Average	30.87	38.24	31.44	35.26	32.46	37.23	35.49	38.51	34.70	31.32	34.50	39.52	33.83	36.25	25.03	32.24
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,632**	**261**	**76**	**7,095**	**536**	**3,204**	**15,565**
Operating	1,321	108	1,428	2,152	312	699	3,163	525	3,406	2,436	229	76	6,670	519	3,044	14,824
Idle	20	0	20	84	5	30	119	44	152	196	33	0	425	17	161	741
Alaskan Crude Oil Receipts	**2,403**	**0**	**2,403**	**472**	**0**	**0**	**472**	**0**	**3,954**	**7,375**	**0**	**0**	**11,329**	**0**	**37,955**	**52,159**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, June 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**38,404**	**3,145**	**41,549**	**58,363**	**8,974**	**19,331**	**86,668**	**14,002**	**89,885**	**68,204**	**5,079**	**2,036**	**179,206**	**13,650**	**74,975**	**396,048**
Pentanes Plus	30	0	30	452	54	469	975	1,136	1,480	336	100	155	3,207	109	188	4,509
Liquefied Petroleum Gases	162	27	189	1,643	56	475	2,174	604	1,552	2,142	115	36	4,449	372	453	7,637
Ethane	0	0	0	0	0	0	0	0	0	51	0	0	51	0	0	51
Propane	0	0	0	69	0	0	69	51	95	31	0	3	180	0	11	260
Normal Butane	74	27	101	555	5	102	662	135	618	1,049	13	6	1,821	296	232	3,112
Isobutane	88	0	88	1,019	51	373	1,443	418	839	1,011	102	27	2,397	76	210	4,214
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	224	3	13	240	0	632	403	0	9	1,044	0	336	1,620
Unfinished Oil (net)	3,065	278	3,343	932	400	570	1,902	477	8,967	542	128	12	10,126	-130	1,068	16,309
Motor Gasoline Blending Components (net)	1,363	-14	1,349	1,268	107	-185	1,190	128	-98	1,100	53	14	1,197	485	159	4,380
Aviation Gasoline Blending Components (net)	0	0	0	-2	0	0	-2	0	0	40	0	0	40	0	25	63
Total Input to Refineries	**43,024**	**3,436**	**46,460**	**62,880**	**9,594**	**20,673**	**93,147**	**16,347**	**102,418**	**72,767**	**5,475**	**2,262**	**199,269**	**14,486**	**77,204**	**430,566**
Crude Oil Distillation																
Gross Input (daily average)	1,284	104	1,387	1,954	299	647	2,901	467	3,034	2,299	167	68	6,034	456	2,529	13,306
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	569	3,558	2,655	261	76	7,118	536	3,204	15,588
Operating Ratio (percent)[1]	95.7	96.4	95.8	87.4	94.5	88.7	88.4	82.1	85.3	86.6	63.8	89.8	84.8	85.0	78.9	85.4
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	480	0	480	722	110	224	1,056	185	1,214	780	31	22	2,232	149	661	4,578
Catalytic Hydrocracking	58	4	62	120	0	5	125	0	184	192	0	0	375	3	431	996
Cokers	73	0	73	129	39	64	231	6	191	288	9	0	494	17	474	1,291
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.09	.48	1.04	1.00	1.90	.51	.98	.60	.89	1.24	1.28	.82	1.01	.83	1.07	1.01
API Gravity, Weighted Average	30.71	38.50	31.30	34.69	29.83	37.41	34.79	38.34	33.49	31.39	34.10	40.25	33.17	35.91	24.79	31.81
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**569**	**3,558**	**2,655**	**261**	**76**	**7,118**	**536**	**3,204**	**15,588**
Operating	1,311	108	1,418	2,152	312	687	3,150	525	3,425	2,436	254	76	6,715	519	3,034	14,836
Idle	30	0	30	84	5	43	131	44	133	219	7	0	403	17	170	751
Alaskan Crude Oil Receipts	**1,428**	**0**	**1,428**	**1,556**	**0**	**0**	**1,556**	**0**	**6,226**	**7,026**	**0**	**0**	**13,252**	**0**	**38,437**	**54,673**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, July 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**38,855**	**3,129**	**41,984**	**62,526**	**9,467**	**19,999**	**91,992**	**15,015**	**95,546**	**70,246**	**5,288**	**2,123**	**188,218**	**14,754**	**79,386**	**416,334**
Pentanes Plus	38	0	38	498	124	435	1,057	1,210	2,303	364	105	198	4,180	82	178	5,535
Liquefied Petroleum Gases	139	25	164	1,671	88	425	2,184	669	1,387	2,083	109	30	4,278	385	566	7,577
Ethane	0	0	0	0	0	0	0	0	13	46	0	0	59	0	0	59
Propane	0	0	0	68	0	0	68	55	118	29	0	0	202	0	0	270
Normal Butane	97	25	122	530	16	95	641	189	355	714	8	2	1,268	326	281	2,638
Isobutane	42	0	42	1,073	72	330	1,475	425	901	1,294	101	28	2,749	59	285	4,610
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	254	3	1	258	0	894	455	0	6	1,355	0	352	1,965
Unfinished Oil (net)	4,259	446	4,705	544	87	-288	343	787	7,205	1,646	143	-55	9,726	-91	1,451	16,134
Motor Gasoline Blending Components (net)	649	-16	633	913	116	66	1,095	-82	-211	16	38	-19	-258	264	552	2,286
Aviation Gasoline Blending Components (net)	0	0	0	-24	0	6	-18	0	0	-16	0	0	-16	0	-8	-42
Total Input to Refineries	**43,940**	**3,584**	**47,524**	**66,382**	**9,885**	**20,644**	**96,911**	**17,599**	**107,124**	**74,794**	**5,683**	**2,283**	**207,483**	**15,394**	**82,477**	**449,789**
Crude Oil Distillation																
Gross Input (daily average)	1,256	99	1,355	2,022	306	650	2,978	485	3,119	2,323	170	69	6,167	477	2,636	13,612
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	682	3,558	2,655	261	76	7,231	536	3,204	15,701
Operating Ratio (percent)[1]	93.7	91.9	93.6	90.5	96.5	89.1	90.7	71.2	87.7	87.5	65.2	91.1	85.3	89.1	82.3	86.7
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	504	0	504	731	111	208	1,050	187	1,203	788	30	23	2,231	158	659	4,602
Catalytic Hydrocracking	59	4	63	125	0	4	129	0	199	191	0	0	390	5	430	1,016
Cokers	74	0	74	136	24	63	223	8	194	297	11	0	510	12	464	1,283
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.14	.53	1.10	1.00	1.94	.54	1.00	.66	79	1.20	1.42	.89	96	83	1.04	99
API Gravity, Weighted Average	30.50	38.33	31.06	34.79	29.88	37.27	34.83	38.28	34.24	30.59	32.79	39.85	33.20	36.07	24.88	31.83
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**682**	**3,558**	**2,655**	**261**	**76**	**7,231**	**536**	**3,204**	**15,701**
Operating	1,311	108	1,418	2,152	312	687	3,150	638	3,470	2,554	254	76	6,991	519	3,044	15,122
Idle	30	0	30	84	5	43	131	44	88	101	7	0	240	17	161	579
Alaskan Crude Oil Receipts	**1,655**	**0**	**1,655**	**1,764**	**0**	**0**	**1,764**	**0**	**5,848**	**6,747**	**0**	**0**	**12,595**	**0**	**39,216**	**55,230**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, August 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**39,386**	**3,060**	**42,446**	**62,957**	**9,607**	**20,439**	**93,003**	**15,287**	**91,812**	**70,449**	**5,396**	**2,196**	**185,140**	**14,887**	**79,302**	**414,778**
Pentanes Plus	33	0	33	581	145	575	1,301	1,096	1,875	725	94	146	3,936	98	188	5,556
Liquefied Petroleum Gases	82	30	112	1,691	70	496	2,257	685	1,357	2,195	129	44	4,410	407	611	7,797
Ethane	0	0	0	0	0	0	0	0	0	48	0	0	48	0	0	48
Propane	0	0	0	68	0	0	68	38	0	30	0	2	70	0	0	138
Normal Butane	13	30	43	616	17	117	750	239	406	895	26	5	1,571	302	327	2,993
Isobutane	69	0	69	1,007	53	379	1,439	408	951	1,222	103	37	2,721	105	284	4,618
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	212	3	0	215	0	852	485	0	7	1,344	0	296	1,855
Unfinished Oil (net)	4,161	255	4,416	-32	49	247	264	210	5,925	-407	155	-10	5,873	-203	787	11,137
Motor Gasoline Blending Components (net)	892	-6	886	531	-10	20	541	-174	1,293	-10	-32	-52	1,025	-123	641	2,970
Aviation Gasoline Blending Components (net)	0	0	0	-35	0	-5	-40	0	0	57	0	0	57	0	-38	-21
Total Input to Refineries	**44,554**	**3,339**	**47,893**	**65,905**	**9,864**	**21,772**	**97,541**	**17,104**	**103,114**	**73,494**	**5,742**	**2,331**	**201,785**	**15,066**	**81,787**	**444,072**
Crude Oil Distillation																
Gross Input (daily average)	1,268	99	1,367	2,036	310	662	3,008	494	2,998	2,317	175	71	6,054	482	2,616	13,527
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	575	3,558	2,655	261	76	7,124	536	3,208	15,598
Operating Ratio (percent)[1]	94.6	91.7	94.4	91.1	97.8	90.8	91.7	85.9	84.3	87.3	67.0	93.7	85.0	90.0	81.5	86.7
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	481	16	497	736	109	225	1,070	177	1,134	793	29	25	2,158	160	646	4,532
Catalytic Hydrocracking	48	4	52	128	0	5	133	0	179	190	0	0	369	7	413	974
Cokers	90	0	90	129	35	54	218	8	204	302	9	0	523	14	412	1,258
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.21	.49	1.16	1.02	1.97	.52	1.01	.65	.78	1.25	1.28	.82	.96	.80	1.09	1.01
API Gravity, Weighted Average	30.50	38.89	31.10	35.01	29.62	37.01	34.89	38.04	34.50	30.71	33.91	39.75	33.39	36.05	25.95	32.17
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**575**	**3,558**	**2,655**	**261**	**76**	**7,124**	**536**	**3,208**	**15,598**
Operating	1,311	108	1,418	2,152	312	687	3,150	531	3,475	2,554	254	76	6,889	519	3,038	15,014
Idle	30	0	30	84	5	43	131	44	83	101	7	0	235	17	170	584
Alaskan Crude Oil Receipts	**588**	**0**	**588**	**1,474**	**0**	**0**	**1,474**	**0**	**5,569**	**5,262**	**0**	**0**	**10,831**	**0**	**38,776**	**51,669**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, September 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**35,189**	**3,016**	**38,205**	**59,643**	**9,220**	**19,154**	**88,017**	**14,143**	**87,584**	**69,833**	**4,492**	**1,942**	**177,994**	**13,823**	**77,012**	**395,051**
Pentanes Plus	27	0	27	566	116	502	1,184	984	1,914	173	80	134	3,285	77	225	4,798
Liquefied Petroleum Gases	146	55	201	1,783	94	594	2,471	633	1,152	2,574	85	49	4,493	406	413	7,984
Ethane	0	0	0	0	0	0	0	0	0	39	0	0	39	0	0	39
Propane	0	0	0	81	0	0	81	57	97	31	0	3	188	0	2	271
Normal Butane	62	55	117	631	40	217	888	310	476	1,313	23	8	2,130	330	177	3,642
Isobutane	84	0	84	1,071	54	377	1,502	266	579	1,191	62	38	2,136	76	234	4,032
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	235	3	0	238	0	815	472	0	11	1,298	0	480	2,016
Unfinished Oil (net)	5,357	122	5,479	613	58	-3	668	-52	8,371	1,929	73	69	10,390	-277	-471	15,789
Motor Gasoline Blending Components (net)	1,011	-14	997	972	46	88	1,106	118	398	705	37	8	1,266	70	979	4,418
Aviation Gasoline Blending Components (net)	0	0	0	31	0	1	32	0	0	-1	0	0	-1	0	28	59
Total Input to Refineries	**41,730**	**3,179**	**44,909**	**63,843**	**9,537**	**20,336**	**93,716**	**15,826**	**100,234**	**75,685**	**4,767**	**2,213**	**198,725**	**14,099**	**78,666**	**430,115**
Crude Oil Distillation																
Gross Input (daily average)	1,175	100	1,275	1,991	307	634	2,932	471	2,967	2,373	151	66	6,028	461	2,632	13,328
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	580	3,558	2,655	261	76	7,129	536	3,198	15,593
Operating Ratio (percent)[1]	87.6	92.6	88.0	89.1	97.0	86.9	89.4	81.3	83.4	89.4	57.6	87.3	84.6	86.0	82.3	85.5
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	486	14	500	722	106	208	1,037	165	1,188	825	18	25	2,221	148	628	4,534
Catalytic Hydrocracking	42	3	45	124	0	5	129	0	184	223	0	0	407	6	358	946
Cokers	62	0	62	130	37	59	226	7	201	313	1	0	522	15	434	1,259
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.35	.64	1.30	1.01	2.05	.52	1.01	.62	.89	1.21	1.33	.83	1.00	.78	1.09	1.04
API Gravity, Weighted Average	29.84	37.93	30.49	35.06	29.55	37.43	35.00	38.22	34.44	30.71	33.74	40.12	33.35	35.81	25.69	32.01
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**580**	**3,558**	**2,655**	**261**	**76**	**7,129**	**536**	**3,198**	**15,593**
Operating	1,310	108	1,417	2,152	312	717	3,181	531	3,451	2,554	219	76	6,829	519	3,038	14,984
Idle	31	0	31	84	5	13	101	49	107	101	43	0	300	17	160	609
Alaskan Crude Oil Receipts	**991**	**0**	**991**	**815**	**0**	**0**	**815**	**0**	**3,839**	**6,390**	**0**	**0**	**10,229**	**0**	**40,875**	**52,910**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, October 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**34,223**	**2,906**	**37,129**	**59,511**	**9,484**	**18,155**	**87,150**	**14,774**	**89,704**	**72,294**	**4,663**	**2,133**	**183,568**	**13,559**	**73,306**	**394,712**
Pentanes Plus	31	0	31	739	196	448	1,383	1,050	2,057	438	67	134	3,746	72	201	5,433
Liquefied Petroleum Gases	132	77	209	1,938	146	661	2,745	706	1,730	2,685	102	59	5,282	473	411	9,120
Ethane	0	0	0	0	0	0	0	0	0	45	0	0	45	0	0	45
Propane	0	0	0	76	0	0	76	22	113	34	0	0	169	0	5	250
Normal Butane	42	77	119	1,010	94	299	1,403	385	847	1,490	35	19	2,776	400	233	4,931
Isobutane	90	0	90	852	52	362	1,266	299	770	1,116	67	40	2,292	73	173	3,894
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	256	2	0	258	0	743	528	0	10	1,281	0	555	2,094
Unfinished Oil (net)	6,687	40	6,727	-1,370	109	-1,148	-2,409	31	9,038	2,553	34	3	11,659	-673	666	15,970
Motor Gasoline Blending Components (net)	2,991	4	2,995	1,636	-27	360	1,969	-276	221	-141	46	57	-93	-87	1,868	6,652
Aviation Gasoline Blending Components (net)	0	0	0	-50	0	4	-46	0	0	4	0	0	4	0	-8	-50
Total Input to Refineries	**44,064**	**3,027**	**47,091**	**62,660**	**9,910**	**18,480**	**91,050**	**16,285**	**103,493**	**78,361**	**4,912**	**2,396**	**205,447**	**13,344**	**76,999**	**433,931**
Crude Oil Distillation																
Gross Input (daily average)	1,113	96	1,209	1,925	306	586	2,817	476	2,933	2,394	147	70	6,019	437	2,413	12,896
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	580	3,558	2,655	261	76	7,129	535	3,198	15,592
Operating Ratio (percent)[1]	83.0	89.2	83.5	86.1	96.6	80.3	85.9	82.2	82.4	90.2	56.1	92.0	84.4	81.8	75.5	82.7
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	483	15	498	649	106	170	925	158	1,139	786	20	12	2,114	136	545	4,218
Catalytic Hydrocracking	39	2	41	107	0	3	111	0	249	214	0	0	463	6	373	994
Cokers	65	0	65	133	36	40	208	8	199	332	5	0	544	14	427	1,258
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.26	.69	1.22	.98	2.15	.49	1.00	.64	.90	1.24	1.38	.84	1.03	.80	1.09	1.04
API Gravity, Weighted Average	30.44	38.72	31.11	35.30	29.14	37.66	35.13	38.18	34.23	30.74	33.40	40.14	33.21	36.07	25.55	32.08
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**580**	**3,558**	**2,655**	**261**	**76**	**7,129**	**535**	**3,198**	**15,592**
Operating	1,259	103	1,362	2,152	312	730	3,193	531	3,451	2,554	214	76	6,824	518	3,038	14,935
Idle	82	5	87	84	5	0	88	49	107	101	48	0	305	16	160	657
Alaskan Crude Oil Receipts	**938**	**0**	**938**	**653**	**0**	**0**	**653**	**0**	**4,929**	**7,144**	**0**	**0**	**12,073**	**0**	**36,996**	**50,660**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**33,737**	**2,962**	**36,699**	**58,582**	**9,041**	**18,404**	**86,027**	**14,008**	**89,289**	**70,370**	**5,238**	**2,060**	**180,965**	**13,131**	**72,613**	**389,435**
Pentanes Plus	22	0	22	659	157	694	1,510	940	1,766	339	63	156	3,264	77	178	5,051
Liquefied Petroleum Gases	41	63	104	2,357	232	915	3,504	971	2,044	2,465	177	83	5,740	611	711	10,670
Ethane	0	0	0	0	0	0	0	0	0	64	0	0	64	0	0	64
Propane	0	0	0	80	0	0	80	52	121	42	0	3	218	1	9	308
Normal Butane	9	63	72	1,351	167	541	2,059	567	1,173	1,565	78	45	3,428	519	478	6,556
Isobutane	32	0	32	926	65	374	1,365	352	750	794	99	35	2,030	91	224	3,742
Other Liquids																
Other Hydrocarbons and Alcohol	25	0	25	572	2	15	589	0	620	462	0	11	1,093	0	532	2,239
Unfinished Oil (net)	5,747	235	5,982	806	60	840	1,706	696	4,908	2,548	170	-5	8,317	-94	2,447	18,358
Motor Gasoline Blending Components (net)	1,226	-6	1,220	1,191	-22	-86	1,083	-135	-315	1,394	30	-71	903	48	355	3,609
Aviation Gasoline Blending Components (net)	0	0	0	-3	0	-1	-4	0	0	5	0	0	5	0	-7	-6
Total Input to Refineries	**40,798**	**3,254**	**44,052**	**64,164**	**9,470**	**20,781**	**94,415**	**16,480**	**98,312**	**77,583**	**5,678**	**2,234**	**200,287**	**13,773**	**76,829**	**429,356**
Crude Oil Distillation																
Gross Input (daily average)	1,129	96	1,225	1,957	301	612	2,870	466	3,019	2,395	175	69	6,123	439	2,416	13,074
Operable Capacity (daily average)	1,341	108	1,448	2,235	317	730	3,282	580	3,558	2,951	261	76	7,426	535	3,198	15,888
Operating Ratio (percent)[1]	84 2	89.5	84.6	87.5	95 1	83 9	87 5	80 4	84 8	81.2	66.8	90.8	82.5	82 1	75.5	82 3
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	548	15	563	651	106	187	944	176	1,089	743	30	25	2,062	145	621	4,335
Catalytic Hydrocracking	51	4	55	109	0	3	113	0	221	218	0	0	439	5	395	1,007
Cokers	72	0	72	109	51	71	231	9	196	345	9	0	559	18	426	1,306
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	97	.56	94	98	2 07	53	1.00	58	96	1 26	1 31	83	1.06	85	1 08	1 03
API Gravity, Weighted Average	32.16	38 89	32 67	34 97	29 89	37 66	35 01	38 72	34 14	30.70	33.92	39.77	33 19	35 79	24 98	32 11
Operable Capacity (daily average)	**1,341**	**108**	**1,448**	**2,235**	**317**	**730**	**3,282**	**580**	**3,558**	**2,951**	**261**	**76**	**7,426**	**535**	**3,198**	**15,888**
Operating	1,196	103	1,299	2,152	312	675	3,138	531	3,503	2,554	239	76	6,902	518	3,038	14,895
Idle	145	5	150	84	5	55	143	49	55	398	22	0	524	16	160	994
Alaskan Crude Oil Receipts	**698**	**0**	**698**	**807**	**0**	**0**	**807**	**0**	**4,467**	**8,307**	**0**	**0**	**12,774**	**0**	**33,684**	**47,963**

[1] Represents gross input divided by operable capacity

(s) = Less than 500 barrels.

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."

Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, December 1987
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**38,014**	**2,911**	**40,925**	**59,332**	**8,867**	**19,507**	**87,706**	**14,573**	**94,131**	**73,730**	**5,321**	**2,079**	**189,834**	**13,364**	**77,739**	**409,568**
Pentanes Plus	8	0	8	713	147	622	1,482	942	1,962	317	73	100	3,394	107	165	5,156
Liquefied Petroleum Gases	173	87	260	2,448	334	1,060	3,842	965	2,490	2,798	162	91	6,506	605	1,034	12,247
Ethane	0	0	0	0	0	0	0	0	0	57	0	0	57	0	0	57
Propane	4	0	4	74	0	0	74	2	139	41	0	3	185	0	10	273
Normal Butane	133	87	220	1,599	258	614	2,471	636	1,488	1,693	74	47	3,938	502	874	8,005
Isobutane	36	0	36	775	76	446	1,297	327	863	1,007	88	41	2,326	103	150	3,912
Other Liquids																
Other Hydrocarbons and Alcohol	37	0	37	266	1	19	286	0	522	541	0	8	1,071	23	595	2,012
Unfinished Oil (net)	6,913	259	7,172	1,782	-13	468	2,237	238	7,794	3,549	116	-2	11,695	-173	2,311	23,242
Motor Gasoline Blending Components (net)	348	-23	325	1,380	-169	55	1,266	-6	1,720	107	-2	55	1,874	-28	-84	3,353
Aviation Gasoline Blending Components (net)	0	0	0	4	0	4	8	0	0	10	0	0	10	0	26	44
Total Input to Refineries	**45,493**	**3,234**	**48,727**	**65,925**	**9,167**	**21,735**	**96,827**	**16,712**	**108,619**	**81,052**	**5,670**	**2,331**	**214,384**	**13,898**	**81,786**	**455,622**
Crude Oil Distillation																
Gross Input (daily average)	1,230	93	1,324	1,917	286	630	2,833	468	3,082	2,429	174	67	6,220	433	2,574	13,383
Operable Capacity (daily average)	1,361	108	1,468	2,235	317	730	3,282	580	3,558	3,001	261	76	7,476	535	3,186	15,946
Operating Ratio (percent)[1]	90.4	86.7	90.2	85.7	90.3	86.4	86.3	80.7	86.6	80.9	66.6	89.1	83.2	81.0	80.8	83.9
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	556	14	570	639	104	210	952	173	1,162	803	30	23	2,191	150	653	4,516
Catalytic Hydrocracking	56	3	59	97	0	5	102	0	142	196	0	0	338	5	376	880
Cokers	75	0	75	149	56	65	269	8	195	354	9	0	565	18	448	1,375
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.88	.55	.85	.96	2.05	.52	.97	.65	.91	1.21	1.40	.82	1.02	.80	1.08	1.00
API Gravity, Weighted Average	32.28	39.68	32.82	35.50	30.02	37.50	35.38	38.34	33.72	32.20	33.56	39.91	33.54	36.12	25.57	32.44
Operable Capacity (daily average)	**1,361**	**108**	**1,468**	**2,235**	**317**	**730**	**3,282**	**580**	**3,558**	**3,001**	**261**	**76**	**7,476**	**535**	**3,186**	**15,946**
Operating	1,333	103	1,436	2,152	312	730	3,193	531	3,436	2,554	249	76	6,844	518	3,005	14,996
Idle	28	5	33	84	5	0	88	49	122	448	13	0	631	16	182	951
Alaskan Crude Oil Receipts	**836**	**0**	**836**	**1,025**	**0**	**0**	**1,025**	**0**	**5,209**	**6,237**	**0**	**0**	**11,446**	**0**	**37,903**	**51,210**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD [illegible]
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,378	29	1,407	1,867	265	303	2,435	440	3,822	3,881	96	61	8,300	150	1,229	13,521
Ethane	0	0	0	0	0	0	0	-38	411	0	0	0	373	0	1	374
Propane	1,165	29	1,194	1,840	234	515	2,589	476	2,881	1,881	75	53	5,366	167	1,120	10,436
Normal Butane	204	0	204	10	6	-212	-196	-101	576	1,961	21	8	2,465	-14	-28	2,431
Isobutane	9	0	9	17	25	0	42	103	-46	39	0	0	96	-3	136	280
Finished Motor Gasoline	19,838	1,280	21,118	35,081	5,072	12,910	53,063	9,662	45,186	35,258	1,697	1,058	92,861	7,254	33,833	208,129
Finished Leaded Motor Gasoline	3,192	404	3,596	8,401	1,571	5,209	15,181	3,471	11,468	8,344	563	406	24,252	2,977	9,097	55,103
Finished Unleaded Motor Gasoline	16,646	876	17,522	26,680	3,501	7,701	37,882	6,191	33,718	26,914	1,134	652	68,609	4,277	24,736	153,026
Finished Aviation Gasoline	0	0	0	52	30	9	91	112	323	71	0	0	506	29	115	741
Naphtha-Type Jet Fuel	496	0	496	232	83	249	564	724	924	643	190	282	2,763	350	1,216	5,389
Kerosene-Type Jet Fuel	1,807	0	1,807	4,419	401	1,179	5,999	972	8,082	9,446	115	35	18,650	877	9,610	36,943
Kerosene	294	114	408	1,136	61	-39	1,158	157	1,452	672	13	0	2,294	17	100	3,977
Distillate Fuel Oil	8,005	880	8,885	12,431	2,120	4,809	19,360	3,304	20,778	15,640	1,560	395	41,677	3,048	12,517	85,487
Residual Fuel Oil	4,283	281	4,564	2,202	-125	227	2,304	687	5,491	3,681	233	10	10,102	339	11,222	28,531
Naphtha < 400 Deg. for Petro. Feed. Use	97	0	97	766	0	105	871	96	1,247	236	0	9	1,588	-11	57	2,602
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	630	0	0	630	139	5,815	1,220	0	0	7,174	0	237	8,041
Special Naphthas	31	6	37	255	0	268	523	146	859	13	162	0	1,180	-6	132	1,866
Lubricants	213	337	550	467	0	335	802	10	1,925	645	456	0	3,036	23	635	5,046
Waxes	0	79	79	-1	0	32	31	2	125	82	59	0	268	-1	53	430
Petroleum Coke	1,206	23	1,229	2,255	588	665	3,508	326	3,271	3,550	127	13	7,287	313	3,804	16,141
Marketable	275	0	275	1,250	442	385	2,077	43	1,706	2,755	95	0	4,599	132	2,816	9,899
Catalyst	931	23	954	1,005	146	280	1,431	283	1,565	795	32	13	2,688	181	988	6,242
Asphalt and Road Oil	226	124	350	1,354	760	595	2,709	126	318	561	778	123	1,906	533	1,128	6,626
Still Gas	1,758	166	1,924	2,769	361	997	4,127	652	4,477	3,020	192	72	8,413	529	3,951	18,944
Miscellaneous Products	209	68	277	173	37	57	267	66	784	481	17	0	1,348	38	157	2,087
Fuel Use	0	0	0	0	0	3	3	4	0	50	0	0	54	0	1	58
Non-Fuel Use	209	68	277	173	37	54	264	62	784	431	17	0	1,294	38	156	2,029
Total Production	**39,841**	**3,387**	**43,228**	**66,088**	**9,653**	**22,701**	**98,442**	**17,621**	**104,879**	**79,100**	**5,695**	**2,058**	**209,353**	**13,482**	**79,996**	**444,501**
Processing Gain(-) or Loss(+)[1]	-2,294	-71	-2,365	-2,716	-576	-751	-4,043	-573	-5,373	-4,159	-66	-43	-10,214	-340	-4,462	-21,424

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, February 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,161	27	1,188	1,554	244	298	2,096	188	3,404	3,338	87	62	7,079	169	1,270	11,802
Ethane	0	0	0	0	0	0	0	-2	404	-1	0	0	401	0	9	410
Propane	1,017	27	1,044	1,572	204	428	2,204	240	2,338	1,528	70	48	4,224	155	1,081	8,708
Normal Butane	162	0	162	-49	22	-130	-157	-214	654	1,799	16	14	2,269	2	69	2,345
Isobutane	-18	0	-18	31	18	0	49	164	8	12	1	0	185	12	111	339
Finished Motor Gasoline	17,219	976	18,195	30,647	3,689	10,638	44,974	8,044	39,188	28,518	1,627	1,036	78,413	5,969	30,658	178,209
Finished Leaded Motor Gasoline	3,678	243	3,921	6,717	907	3,923	11,547	2,918	9,063	7,147	371	403	19,902	2,506	8,459	46,335
Finished Unleaded Motor Gasoline	13,541	733	14,274	23,930	2,782	6,715	33,427	5,126	30,125	21,371	1,256	633	58,511	3,463	22,199	131,874
Finished Aviation Gasoline	16	0	16	47	1	6	54	123	89	182	0	0	394	9	134	607
Naphtha-Type Jet Fuel	601	0	601	185	43	250	478	724	918	596	154	160	2,552	370	1,430	5,431
Kerosene-Type Jet Fuel	1,916	0	1,916	3,697	391	1,199	5,287	790	7,655	6,726	84	28	15,283	654	8,633	31,773
Kerosene	68	103	171	483	47	-124	406	0	943	385	5	0	1,333	79	214	2,203
Distillate Fuel Oil	6,727	763	7,490	10,855	1,906	4,134	16,895	2,620	16,013	13,341	1,330	323	33,627	2,787	10,725	71,524
Residual Fuel Oil	4,154	205	4,359	1,769	221	204	2,194	574	3,513	2,903	185	8	7,183	288	9,081	23,105
Naphtha < 400 Deg. for Petro. Feed. Use	198	0	198	724	0	87	811	85	1,268	303	0	-6	1,650	3	114	2,776
Other Oils > 400 Deg. for Petro. Feed. Use	2	0	2	471	0	0	471	127	5,492	1,218	0	0	6,837	0	347	7,657
Special Naphthas	-10	15	5	284	0	90	374	116	924	-42	144	0	1,142	3	103	1,627
Lubricants	174	326	500	384	0	297	681	27	1,527	591	424	0	2,569	30	635	4,415
Waxes	0	67	67	14	0	27	41	13	124	76	53	0	266	-2	89	461
Petroleum Coke	1,204	19	1,223	2,072	507	671	3,250	300	3,012	2,990	102	15	6,419	256	3,650	14,798
Marketable	386	0	386	1,146	380	439	1,965	38	1,487	2,327	69	0	3,921	95	2,693	9,060
Catalyst	818	19	837	926	127	232	1,285	262	1,525	663	33	15	2,498	161	957	5,738
Asphalt and Road Oil	471	155	626	1,568	279	517	2,364	135	290	669	641	99	1,834	459	1,233	6,516
Still Gas	1,557	122	1,679	2,520	311	824	3,655	555	3,974	2,532	168	69	7,298	452	3,576	16,660
Miscellaneous Products	270	51	321	182	37	43	262	24	532	468	20	0	1,044	43	131	1,801
Fuel Use	0	0	0	0	0	0	0	5	0	89	0	0	94	0	1	95
Non-Fuel Use	270	51	321	182	37	43	262	19	532	379	20	0	950	43	130	1,706
Total Production	**35,728**	**2,829**	**38,557**	**57,456**	**7,676**	**19,161**	**84,293**	**14,445**	**88,866**	**64,794**	**5,024**	**1,794**	**174,923**	**11,569**	**72,023**	**381,365**
Processing Gain(-) or Loss(+)[1]	-1,809	-9	-1,818	-2,467	-528	-787	-3,782	-48	-4,469	-3,385	-77	-41	-8,020	-283	-3,955	-17,858

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,246	34	1,280	1,573	262	401	2,236	280	3,482	4,455	67	70	8,354	176	1,703	13,749
Ethane	0	0	0	0	0	0	0	-37	454	0	0	0	417	0	2	419
Propane	965	34	999	1,633	251	376	2,260	271	2,558	1,850	43	55	4,777	124	1,159	9,319
Normal Butane	233	0	233	-62	-14	25	-51	-213	583	2,624	24	15	3,033	50	472	3,737
Isobutane	48	0	48	2	25	0	27	259	-113	-19	0	0	127	2	70	274
Finished Motor Gasoline	21,190	1,203	22,393	33,020	5,060	11,203	49,283	8,971	44,417	34,638	1,407	1,215	90,648	6,678	34,613	203,615
Finished Leaded Motor Gasoline	3,923	321	4,244	7,101	1,418	4,167	12,686	3,058	9,128	7,782	371	518	20,857	3,032	9,591	50,410
Finished Unleaded Motor Gasoline	17,267	882	18,149	25,919	3,642	7,036	36,597	5,913	35,289	26,856	1,036	697	69,791	3,646	25,022	153,205
Finished Aviation Gasoline	0	0	0	103	11	2	116	116	174	65	0	0	355	16	127	614
Naphtha-Type Jet Fuel	486	0	486	218	27	285	530	848	993	535	242	284	2,902	354	1,538	5,810
Kerosene-Type Jet Fuel	1,850	0	1,850	3,953	642	1,110	5,705	853	8,118	7,317	62	66	16,416	810	9,164	33,945
Kerosene	107	109	216	189	21	128	338	6	808	329	27	0	1,170	-2	180	1,902
Distillate Fuel Oil	7,353	935	8,288	11,126	1,964	4,501	17,591	3,161	17,279	12,254	1,295	432	34,421	2,956	11,756	75,012
Residual Fuel Oil	4,975	265	5,240	1,881	291	177	2,349	533	3,476	3,119	169	10	7,307	358	11,495	26,749
Naphtha < 400 Deg. for Petro. Feed. Use	94	0	94	738	0	90	828	54	1,750	400	0	-3	2,201	4	186	3,313
Other Oils > 400 Deg. for Petro. Feed. Use	2	0	2	668	0	0	668	134	5,087	1,797	0	0	7,018	0	374	8,062
Special Naphthas	14	14	28	427	0	91	518	78	1,095	-12	158	0	1,319	2	92	1,959
Lubricants	348	381	729	461	0	350	811	10	1,859	676	361	0	2,906	21	534	5,001
Waxes	0	76	76	37	0	32	69	5	151	80	62	0	298	26	64	533
Petroleum Coke	978	23	1,001	2,164	559	677	3,400	326	3,013	3,212	95	18	6,664	301	3,806	15,172
Marketable	111	0	111	1,188	416	429	2,033	41	1,497	2,408	70	0	4,016	123	2,740	9,023
Catalyst	867	23	890	976	143	248	1,367	285	1,516	804	25	18	2,648	178	1,066	6,149
Asphalt and Road Oil	1,148	169	1,317	2,002	306	601	2,909	315	714	1,047	740	127	2,943	325	1,408	8,902
Still Gas	1,578	173	1,751	2,601	333	889	3,823	651	5,221	2,956	184	77	9,089	521	3,784	18,968
Miscellaneous Products	216	40	256	151	42	48	241	58	624	438	12	0	1,132	28	155	1,812
Fuel Use	0	0	0	0	0	3	3	3	0	-2	0	0	1	0	10	14
Non-Fuel Use	216	40	256	151	42	45	238	55	624	440	12	0	1,131	28	145	1,798
Total Production	**41,585**	**3,422**	**45,007**	**61,312**	**9,518**	**20,585**	**91,415**	**16,399**	**98,261**	**73,306**	**4,881**	**2,296**	**195,143**	**12,574**	**80,979**	**425,118**
Processing Gain(-) or Loss(+)[1]	-1,978	-51	-2,029	-1,970	-499	-719	-3,188	-142	-5,060	-4,247	-11	-33	-9,493	-238	-3,461	-18,409

[1] Represents the arithmetic difference between input and output.

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, April 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,416	14	1,430	1,691	268	451	2,410	265	3,412	4,251	94	95	8,117	227	1,723	13,907
Ethane	0	0	0	0	0	0	0	-31	358	2	0	0	329	0	0	329
Propane	1,135	14	1,149	1,747	218	426	2,391	304	2,586	1,846	70	63	4,869	149	1,133	9,691
Normal Butane	286	0	286	-9	31	25	47	-202	526	2,419	24	32	2,799	98	444	3,674
Isobutane	-5	0	-5	-47	19	0	-28	194	-58	-16	0	0	120	-20	146	213
Finished Motor Gasoline	18,641	961	19,602	32,288	4,592	11,748	48,628	8,866	48,070	36,073	1,408	1,250	95,667	6,797	34,789	205,483
Finished Leaded Motor Gasoline	3,455	294	3,749	7,151	1,263	4,091	12,505	3,187	10,148	8,561	261	466	22,623	2,838	9,661	51,376
Finished Unleaded Motor Gasoline	15,186	667	15,853	25,137	3,329	7,657	36,123	5,679	37,922	27,512	1,147	784	73,044	3,959	25,128	154,107
Finished Aviation Gasoline	0	0	0	45	14	21	80	84	100	98	0	0	282	9	171	542
Naphtha-Type Jet Fuel	697	0	697	367	15	290	672	842	788	656	210	292	2,788	341	1,554	6,052
Kerosene-Type Jet Fuel	1,457	0	1,457	3,711	572	962	5,245	856	6,976	6,808	130	40	14,810	823	9,219	31,554
Kerosene	210	34	244	216	-6	47	257	28	549	69	5	0	651	-32	257	1,377
Distillate Fuel Oil	7,344	971	8,315	12,394	2,041	5,142	19,577	3,238	16,868	11,760	1,295	465	33,626	3,302	11,721	76,541
Residual Fuel Oil	3,571	133	3,704	1,480	205	208	1,893	434	4,294	2,361	135	11	7,235	329	11,779	24,940
Naphtha < 400 Deg. for Petro. Feed. Use	309	0	309	546	0	85	631	93	2,172	172	0	11	2,448	13	133	3,534
Other Oils > 400 Deg. for Petro. Feed. Use	5	0	5	523	0	0	523	122	5,686	2,288	0	0	8,096	9	339	8,972
Special Naphthas	11	19	30	349	0	95	444	53	800	-31	155	0	977	-1	115	1,565
Lubricants	183	351	534	402	0	292	694	28	2,123	677	466	0	3,294	27	621	5,170
Waxes	0	84	84	23	0	32	55	5	154	61	53	0	273	44	78	534
Petroleum Coke	877	21	898	2,021	489	706	3,216	323	3,005	3,026	105	18	6,477	291	3,987	14,869
Marketable	87	0	87	1,035	368	464	1,867	37	1,376	2,195	67	0	3,675	128	2,967	8,724
Catalyst	790	21	811	986	121	242	1,349	286	1,629	831	38	18	2,802	163	1,020	6,145
Asphalt and Road Oil	2,543	197	2,740	2,606	408	695	3,709	337	705	1,271	683	122	3,118	608	1,869	12,044
Still Gas	1,719	108	1,827	2,757	313	1,016	4,086	677	5,445	3,058	171	77	9,428	508	4,204	20,053
Miscellaneous Products	97	43	140	326	32	45	403	76	602	371	15	0	1,064	51	226	1,884
Fuel Use	5	0	5	0	0	0	0	6	0	12	0	0	18	0	11	34
Non-Fuel Use	92	43	135	326	32	45	403	70	602	359	15	0	1,046	51	215	1,850
Total Production	**39,080**	**2,936**	**42,016**	**61,745**	**8,943**	**21,835**	**92,523**	**16,327**	**101,749**	**72,969**	**4,925**	**2,381**	**198,351**	**13,346**	**82,785**	**429,021**
Processing Gain(-) or Loss(+)[1]	-1,365	-6	-1,371	-2,042	-487	-842	-3,371	-280	-5,410	-3,973	-72	-60	-9,795	-305	-4,424	-19,266

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, May 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,178	31	1,209	1,923	205	428	2,556	182	3,771	3,937	101	129	8,120	248	1,566	13,699
Ethane	0	0	0	0	0	0	0	-30	426	-7	0	0	389	0	4	393
Propane	955	31	986	1,904	151	475	2,530	317	2,743	1,840	82	58	5,040	161	1,000	9,717
Normal Butane	217	0	217	12	48	-47	13	-183	590	2,080	18	71	2,576	121	417	3,344
Isobutane	6	0	6	7	6	0	13	78	12	24	1	0	115	-34	145	245
Finished Motor Gasoline	20,268	1,179	21,447	37,139	3,950	12,608	53,697	9,079	50,405	33,624	1,752	1,249	96,109	7,539	37,917	216,709
Finished Leaded Motor Gasoline	4,146	315	4,461	8,531	1,144	5,113	14,788	3,207	11,542	7,187	395	486	22,817	3,274	10,909	56,249
Finished Unleaded Motor Gasoline	16,122	864	16,986	28,608	2,806	7,495	38,909	5,872	38,863	26,437	1,357	763	73,292	4,265	27,008	160,460
Finished Aviation Gasoline	15	0	15	68	0	15	83	126	183	130	0	0	439	40	207	784
Naphtha-Type Jet Fuel	902	0	902	340	4	160	504	1,016	946	784	164	250	3,160	414	1,705	6,685
Kerosene-Type Jet Fuel	1,576	0	1,576	3,840	329	966	5,135	949	7,420	6,560	101	39	15,069	688	9,613	32,081
Kerosene	-119	12	-107	113	8	4	125	65	688	215	24	0	992	25	149	1,184
Distillate Fuel Oil	7,433	1,117	8,550	11,707	1,811	5,401	18,919	3,427	18,168	11,693	1,480	486	35,254	3,659	13,024	79,406
Residual Fuel Oil	3,926	84	4,010	1,600	197	169	1,966	496	5,063	2,327	241	12	8,139	216	10,859	25,190
Naphtha < 400 Deg. for Petro. Feed. Use	241	0	241	802	0	132	934	70	2,270	147	18	-3	2,502	-24	279	3,932
Other Oils > 400 Deg. for Petro. Feed. Use	8	0	8	652	0	0	652	128	6,834	2,069	0	0	9,031	0	354	10,045
Special Naphthas	9	29	38	229	0	119	348	85	1,036	-64	133	0	1,190	0	128	1,704
Lubricants	234	397	631	419	0	297	716	20	1,956	459	449	0	2,884	34	658	4,923
Waxes	0	78	78	24	0	28	52	11	139	49	50	0	249	-6	66	439
Petroleum Coke	1,179	19	1,198	2,078	300	695	3,073	348	3,263	3,152	83	18	6,864	282	4,016	15,433
Marketable	295	0	295	1,049	213	435	1,697	35	1,448	2,298	48	0	3,829	101	2,940	8,862
Catalyst	884	19	903	1,029	87	260	1,376	313	1,815	854	35	18	3,035	181	1,076	6,571
Asphalt and Road Oil	3,502	258	3,760	3,431	378	848	4,657	349	588	1,278	786	123	3,124	853	2,324	14,718
Still Gas	1,776	152	1,928	2,945	254	1,018	4,217	780	5,529	3,185	186	79	9,759	539	4,404	20,847
Miscellaneous Products	203	43	246	299	20	63	382	53	580	442	16	0	1,091	54	161	1,934
Fuel Use	3	0	3	0	0	0	0	6	0	32	0	0	38	13	12	66
Non-Fuel Use	200	43	243	299	20	63	382	47	580	410	16	0	1,053	41	149	1,868
Total Production	**42,331**	**3,399**	**45,730**	**67,609**	**7,456**	**22,951**	**98,016**	**17,184**	**108,839**	**69,987**	**5,584**	**2,382**	**203,976**	**14,561**	**87,430**	**449,713**
Processing Gain(-) or Loss(+)[1]	-2,217	-23	-2,240	-2,994	-249	-741	-3,984	-28	-5,921	-3,749	-52	-59	-9,809	-200	-4,587	-20,820

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 12. Refinery Net Production of Petroleum Products by PAD District, June 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,469	31	1,500	1,890	280	458	2,628	125	3,592	3,705	106	116	7,644	295	1,752	13,819
Ethane	0	0	0	0	0	0	0	-75	543	-3	0	0	465	0	0	465
Propane	1,115	31	1,146	1,882	240	466	2,588	308	2,583	1,636	77	53	4,657	171	903	9,465
Normal Butane	300	0	300	16	17	-8	25	-311	550	2,048	29	63	2,379	152	663	3,519
Isobutane	54	0	54	-8	23	0	15	203	-84	24	0	0	143	-28	186	370
Finished Motor Gasoline	19,864	1,227	21,091	35,248	4,943	11,379	51,570	8,657	49,208	36,565	1,711	1,248	97,389	7,346	35,278	212,674
Finished Leaded Motor Gasoline	4,479	375	4,854	7,824	1,360	4,467	13,651	2,992	10,477	7,399	354	490	21,712	3,007	9,880	53,104
Finished Unleaded Motor Gasoline	15,385	852	16,237	27,424	3,583	6,912	37,919	5,665	38,731	29,166	1,357	758	75,677	4,339	25,398	159,570
Finished Aviation Gasoline	1	0	1	122	29	14	165	156	370	148	0	0	674	28	178	1,046
Naphtha-Type Jet Fuel	618	0	618	300	41	124	465	913	869	914	152	230	3,078	393	1,574	6,128
Kerosene-Type Jet Fuel	2,117	0	2,117	3,465	528	956	4,949	832	7,000	6,838	107	22	14,799	843	8,736	31,444
Kerosene	-9	40	31	46	-36	-47	-37	5	759	290	10	0	1,064	-15	108	1,151
Distillate Fuel Oil	8,456	1,090	9,546	11,563	2,275	5,331	19,169	3,336	17,970	12,852	1,502	457	36,117	3,548	12,241	80,621
Residual Fuel Oil	4,289	65	4,354	1,354	225	177	1,756	512	5,661	3,496	193	14	9,876	274	9,662	25,922
Naphtha < 400 Deg. for Petro. Feed. Use	233	0	233	862	0	107	969	101	2,255	125	14	-4	2,491	24	200	3,917
Other Oils > 400 Deg. for Petro. Feed. Use	10	0	10	639	0	0	639	142	6,027	2,034	0	0	8,203	0	337	9,189
Special Naphthas	22	27	49	305	0	86	391	83	1,000	-110	171	0	1,144	0	98	1,682
Lubricants	315	416	731	469	0	307	776	26	1,968	756	422	0	3,172	48	555	5,282
Waxes	0	86	86	18	0	30	48	9	97	80	49	0	235	20	57	446
Petroleum Coke	1,251	20	1,271	2,069	426	663	3,158	341	3,280	3,097	80	17	6,815	400	3,962	15,606
Marketable	385	0	385	1,077	284	410	1,771	29	1,559	2,211	42	0	3,841	223	2,934	9,154
Catalyst	866	20	886	992	142	253	1,387	312	1,721	886	38	17	2,974	177	1,028	6,452
Asphalt and Road Oil	3,905	227	4,132	3,910	1,021	641	5,572	382	717	2,067	819	108	4,093	989	2,349	17,135
Still Gas	1,961	192	2,153	2,885	306	1,060	4,251	760	5,147	3,145	182	86	9,320	544	4,249	20,517
Miscellaneous Products	269	41	310	310	32	55	397	60	546	331	8	0	945	50	212	1,914
Fuel Use	3	0	3	0	0	0	0	6	0	-92	0	0	-86	0	8	-75
Non-Fuel Use	266	41	307	310	32	55	397	54	546	423	8	0	1,031	50	204	1,989
Total Production	**44,771**	**3,462**	**48,233**	**65,455**	**10,070**	**21,341**	**96,866**	**16,440**	**106,466**	**76,333**	**5,526**	**2,294**	**207,059**	**14,787**	**81,548**	**448,493**
Processing Gain(-) or Loss(+)[1]	-1,747	-26	-1,773	-2,575	-476	-668	-3,719	-93	-4,048	-3,566	-51	-32	-7,790	-301	-4,344	-17,927

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,630	33	1,663	2,057	294	327	2,678	281	4,031	4,228	93	126	8,759	284	1,868	15,252
Ethane	0	0	0	0	0	0	0	-23	76	-4	0	0	49	0	8	57
Propane	1,205	33	1,238	2,041	233	393	2,667	348	3,125	1,912	77	54	5,516	188	1,023	10,632
Normal Butane	366	0	366	29	52	-66	15	-264	898	2,345	16	72	3,067	123	693	4,264
Isobutane	59	0	59	-13	9	0	-4	220	-68	-25	0	0	127	-27	144	299
Finished Motor Gasoline	20,011	1,311	21,322	36,729	5,119	11,485	53,333	9,127	50,314	36,344	1,703	1,256	98,744	7,899	37,019	218,317
Finished Leaded Motor Gasoline	3,858	375	4,233	8,377	1,465	4,629	14,471	2,848	10,231	7,604	342	463	21,488	3,352	10,604	54,148
Finished Unleaded Motor Gasoline	16,153	936	17,089	28,352	3,654	6,856	38,862	6,279	40,083	28,740	1,361	793	77,256	4,547	26,415	164,169
Finished Aviation Gasoline	13	0	13	56	23	20	99	209	108	183	0	0	500	32	228	872
Naphtha-Type Jet Fuel	836	0	836	358	46	171	575	909	1,310	996	162	255	3,632	431	1,388	6,862
Kerosene-Type Jet Fuel	2,173	0	2,173	3,482	459	943	4,884	1,073	8,083	7,378	152	40	16,726	837	10,281	34,901
Kerosene	50	48	98	90	18	-130	-22	22	1,157	251	8	0	1,438	17	125	1,656
Distillate Fuel Oil	8,683	1,128	9,811	12,296	2,048	5,365	19,709	3,789	18,578	13,474	1,606	455	37,902	3,722	12,533	83,677
Residual Fuel Oil	4,144	76	4,220	1,564	241	128	1,933	439	5,895	3,985	201	16	10,536	247	10,989	27,925
Naphtha < 400 Deg. for Petro. Feed. Use	221	0	221	861	0	86	947	91	2,593	61	26	5	2,776	-5	129	4,068
Other Oils > 400 Deg. for Petro. Feed. Use	13	0	13	798	0	71	869	146	6,185	1,697	0	0	8,028	1	317	9,228
Special Naphthas	44	32	76	389	0	98	487	69	923	-105	179	0	1,066	2	94	1,725
Lubricants	406	381	787	395	0	307	702	27	2,040	654	399	0	3,120	38	662	5,309
Waxes	0	95	95	8	0	24	32	10	93	67	52	0	222	55	97	501
Petroleum Coke	1,292	23	1,315	2,237	349	660	3,246	355	3,278	3,303	107	18	7,061	296	4,032	15,950
Marketable	402	0	402	1,212	219	420	1,851	36	1,555	2,413	65	0	4,069	100	2,988	9,410
Catalyst	890	23	913	1,025	130	240	1,395	319	1,723	890	42	18	2,992	196	1,044	6,540
Asphalt and Road Oil	3,953	251	4,204	4,592	1,409	979	6,980	503	1,284	2,052	844	84	4,767	1,224	2,649	19,824
Still Gas	1,991	209	2,200	3,050	320	939	4,309	827	5,049	3,369	187	92	9,524	570	4,331	20,934
Miscellaneous Products	199	52	251	335	26	33	394	46	599	431	17	0	1,093	50	146	1,934
Fuel Use	6	0	6	0	0	0	0	7	0	31	0	0	38	0	9	53
Non-Fuel Use	193	52	245	335	26	33	394	39	599	400	17	0	1,055	50	137	1,881
Total Production	**45,659**	**3,639**	**49,298**	**69,297**	**10,352**	**21,506**	**101,155**	**17,923**	**111,520**	**78,368**	**5,736**	**2,347**	**215,894**	**15,700**	**86,888**	**468,935**
Processing Gain(-) or Loss(+)[1]	-1,719	-55	-1,774	-2,915	-467	-862	-4,244	-324	-4,396	-3,574	-53	-64	-8,411	-306	-4,411	-19,146

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, August 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,495	25	1,520	1,967	241	388	2,596	271	3,331	3,947	91	128	7,768	309	1,855	14,048
Ethane	0	0	0	0	0	0	0	-32	191	-8	0	0	151	0	16	167
Propane	1,089	25	1,114	1,976	244	428	2,648	358	2,564	1,864	73	61	4,920	182	1,007	9,871
Normal Butane	361	0	361	8	-10	-40	-42	-284	529	2,060	18	67	2,390	130	698	3,537
Isobutane	45	0	45	-17	7	0	-10	229	47	31	0	0	307	-3	134	473
Finished Motor Gasoline	19,960	1,136	21,096	36,573	5,136	12,222	53,931	8,579	48,956	35,621	1,577	1,184	95,917	7,730	36,228	214,902
Finished Leaded Motor Gasoline	3,228	336	3,564	7,635	1,395	4,368	13,398	2,596	10,215	7,167	260	457	20,695	3,141	10,158	50,956
Finished Unleaded Motor Gasoline	16,732	800	17,532	28,938	3,741	7,854	40,533	5,983	38,741	28,454	1,317	727	75,222	4,589	26,070	163,946
Finished Aviation Gasoline	9	0	9	99	13	14	126	139	307	114	0	0	560	23	222	940
Naphtha-Type Jet Fuel	817	0	817	217	28	180	425	1,021	987	903	198	288	3,397	399	1,420	6,458
Kerosene-Type Jet Fuel	2,454	0	2,454	3,938	489	1,121	5,548	1,070	8,975	7,589	139	41	17,814	776	10,324	36,916
Kerosene	21	79	100	205	81	31	317	4	1,022	407	29	0	1,462	-3	162	2,038
Distillate Fuel Oil	9,025	1,025	10,050	12,316	2,145	5,125	19,586	3,841	18,204	14,201	1,541	500	38,287	3,736	12,172	83,831
Residual Fuel Oil	4,162	62	4,224	1,566	256	116	1,938	451	4,999	3,618	255	14	9,337	339	11,494	27,332
Naphtha < 400 Deg. for Petro. Feed. Use	276	0	276	679	0	91	770	109	2,391	69	25	3	2,597	5	138	3,786
Other Oils > 400 Deg. for Petro. Feed. Use	10	0	10	778	0	49	827	173	5,951	1,436	0	0	7,560	0	277	8,674
Special Naphthas	78	27	105	245	0	107	352	107	908	-118	201	0	1,098	-1	151	1,705
Lubricants	410	406	816	409	0	295	704	18	2,203	618	405	0	3,244	39	401	5,204
Waxes	0	90	90	27	0	30	57	7	157	76	50	0	290	-25	49	461
Petroleum Coke	1,317	24	1,341	2,228	414	581	3,223	350	3,279	3,312	111	20	7,072	283	3,769	15,688
Marketable	377	0	377	1,187	292	321	1,800	40	1,556	2,443	56	0	4,095	83	2,724	9,079
Catalyst	940	24	964	1,041	122	260	1,423	310	1,723	869	55	20	2,977	200	1,045	6,609
Asphalt and Road Oil	4,211	243	4,454	4,475	1,113	1,064	6,652	483	1,076	1,694	969	107	4,329	1,134	2,619	19,188
Still Gas	1,991	204	2,195	3,033	327	984	4,344	775	4,572	3,299	176	94	8,916	610	4,103	20,168
Miscellaneous Products	236	46	282	232	36	55	323	28	576	432	23	0	1,059	50	205	1,919
Fuel Use	11	0	11	0	0	0	0	7	0	44	0	0	51	0	11	73
Non-Fuel Use	225	46	271	232	36	55	323	21	576	388	23	0	1,008	50	194	1,846
Total Production	**46,472**	**3,367**	**49,839**	**68,987**	**10,279**	**22,453**	**101,719**	**17,426**	**107,894**	**77,218**	**5,790**	**2,379**	**210,707**	**15,404**	**85,589**	**463,258**
Processing Gain(-) or Loss(+)[1]	-1,918	-28	-1,946	-3,082	-415	-681	-4,178	-322	-4,780	-3,724	-48	-48	-8,922	-338	-3,802	-19,186

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,434	29	1,463	2,054	230	316	2,600	269	3,149	4,102	58	116	7,694	297	1,655	13,709
Ethane	0	0	0	0	0	0	0	-21	183	-4	0	0	158	0	19	177
Propane	1,089	29	1,118	1,969	231	430	2,630	261	2,605	1,979	43	62	4,950	169	932	9,799
Normal Butane	305	0	305	46	-14	-114	-82	-243	339	2,129	15	54	2,294	162	570	3,249
Isobutane	40	0	40	39	13	0	52	272	22	-2	0	0	292	-34	134	484
Finished Motor Gasoline	18,918	1,086	20,004	34,872	4,944	11,170	50,986	7,885	47,459	37,000	1,271	1,210	94,825	7,105	34,695	207,615
Finished Leaded Motor Gasoline	3,357	256	3,613	7,776	1,268	4,330	13,374	2,586	9,147	7,688	185	460	20,066	3,090	9,766	49,909
Finished Unleaded Motor Gasoline	15,561	830	16,391	27,096	3,676	6,840	37,612	5,299	38,312	29,312	1,086	750	74,759	4,015	24,929	157,706
Finished Aviation Gasoline	1	0	1	74	27	20	121	176	236	160	0	0	572	21	265	980
Naphtha-Type Jet Fuel	860	0	860	202	28	132	362	923	1,217	751	198	243	3,332	375	1,191	6,120
Kerosene-Type Jet Fuel	2,231	0	2,231	3,623	513	1,154	5,290	983	7,936	8,739	177	30	17,865	805	9,506	35,697
Kerosene	43	54	97	544	2	28	574	99	1,175	517	17	0	1,808	-2	230	2,707
Distillate Fuel Oil	8,209	986	9,195	12,008	2,218	5,085	19,311	3,453	18,892	14,219	1,242	456	38,262	3,552	12,081	82,401
Residual Fuel Oil	3,660	71	3,731	1,398	225	103	1,726	473	5,372	3,575	216	13	9,649	347	11,674	27,127
Naphtha < 400 Deg. for Petro. Feed. Use	302	0	302	665	0	60	725	96	2,369	4	22	-4	2,487	12	139	3,665
Other Oils > 400 Deg. for Petro. Feed. Use	11	0	11	801	0	40	841	151	5,074	1,268	0	0	6,493	0	269	7,614
Special Naphthas	86	14	100	367	0	96	463	86	929	22	167	0	1,204	0	142	1,909
Lubricants	293	372	665	516	0	297	813	30	2,312	585	344	0	3,271	38	339	5,126
Waxes	0	99	99	7	0	28	35	9	137	52	34	0	232	94	65	525
Petroleum Coke	1,203	20	1,223	2,073	422	629	3,124	302	3,213	3,269	25	18	6,827	290	3,769	15,233
Marketable	313	0	313	1,105	303	385	1,793	33	1,594	2,375	6	0	4,008	115	2,806	9,035
Catalyst	890	20	910	968	119	244	1,331	269	1,619	894	19	18	2,819	175	963	6,198
Asphalt and Road Oil	4,123	277	4,400	4,148	1,078	1,028	6,254	415	933	1,633	944	104	4,029	964	2,508	18,155
Still Gas	1,890	161	2,051	2,786	335	892	4,013	734	5,060	3,209	114	84	9,201	590	4,020	19,875
Miscellaneous Products	272	42	314	202	35	46	283	40	656	408	0	0	1,104	45	206	1,952
Fuel Use	9	0	9	0	0	0	0	7	0	57	0	0	64	0	9	82
Non-Fuel Use	263	42	305	202	35	46	283	33	656	351	0	0	1,040	45	197	1,870
Total Production	**43,536**	**3,211**	**46,747**	**66,340**	**10,057**	**21,124**	**97,521**	**16,124**	**106,119**	**79,513**	**4,829**	**2,270**	**208,855**	**14,533**	**82,754**	**450,410**
Processing Gain(-) or Loss(+)[1]	-1,806	-32	-1,838	-2,497	-520	-788	-3,805	-298	-5,885	-3,828	-62	-57	-10,130	-434	-4,088	-20,295

1 Represents the arithmetic difference between input and output.

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, October 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,640	15	1,655	2,015	189	204	2,408	248	3,035	4,361	56	77	7,777	279	1,569	13,688
Ethane	0	0	0	0	0	0	0	-75	190	-3	0	0	112	0	11	123
Propane	1,220	15	1,235	1,970	245	322	2,537	274	2,852	2,026	40	63	5,255	169	998	10,194
Normal Butane	348	0	348	24	-42	-118	-136	-181	-7	2,302	16	14	2,144	114	477	2,947
Isobutane	72	0	72	21	-14	0	7	230	0	36	0	0	266	-4	83	424
Finished Motor Gasoline	20,772	1,033	21,805	34,635	5,028	10,032	49,695	8,025	48,192	36,968	1,281	1,309	95,775	6,749	32,687	206,711
Finished Leaded Motor Gasoline	3,354	319	3,673	7,151	1,303	4,130	12,584	2,511	9,368	7,073	290	498	19,740	2,757	9,072	47,826
Finished Unleaded Motor Gasoline	17,418	714	18,132	27,484	3,725	5,902	37,111	5,514	38,824	29,895	991	811	76,035	3,992	23,615	158,885
Finished Aviation Gasoline	14	0	14	98	37	14	149	117	231	89	0	0	437	25	168	793
Naphtha-Type Jet Fuel	624	0	624	376	23	256	655	890	1,210	919	178	303	3,500	539	1,460	6,778
Kerosene-Type Jet Fuel	2,414	0	2,414	3,585	354	1,088	5,027	1,076	8,687	9,187	142	49	19,141	826	9,462	36,870
Kerosene	172	70	242	525	104	128	757	141	1,442	805	17	0	2,405	10	251	3,665
Distillate Fuel Oil	9,515	1,007	10,522	11,773	2,526	4,734	19,033	3,515	19,602	16,523	1,255	490	41,385	3,400	11,817	86,157
Residual Fuel Oil	3,366	68	3,434	1,299	234	118	1,651	454	5,789	3,470	279	14	10,006	288	12,113	27,492
Naphtha < 400 Deg. for Petro. Feed. Use	213	0	213	707	0	78	785	109	2,460	229	27	-3	2,822	-28	283	4,075
Other Oils > 400 Deg. for Petro. Feed. Use	9	0	9	623	0	49	672	157	4,886	1,104	0	0	6,147	0	252	7,080
Special Naphthas	60	28	88	398	0	61	459	91	941	-41	175	0	1,166	-1	80	1,792
Lubricants	357	317	674	431	0	206	637	23	2,226	709	457	0	3,415	25	615	5,366
Waxes	0	80	80	34	0	23	57	14	155	67	54	0	290	-42	86	471
Petroleum Coke	1,252	22	1,274	2,056	438	456	2,950	315	3,252	3,576	64	18	7,225	295	3,557	15,301
Marketable	348	0	348	1,095	302	247	1,644	37	1,675	2,680	37	0	4,429	122	2,690	9,233
Catalyst	904	22	926	961	136	209	1,306	278	1,577	896	27	18	2,796	173	867	6,068
Asphalt and Road Oil	3,759	228	3,987	3,712	1,096	800	5,608	492	718	1,376	845	105	3,536	874	2,251	16,256
Still Gas	1,824	143	1,967	2,550	327	648	3,525	732	5,073	3,151	115	82	9,153	515	3,645	18,805
Miscellaneous Products	348	24	372	173	34	52	259	38	605	418	0	0	1,061	39	223	1,954
Fuel Use	5	0	5	0	0	0	0	7	0	0	0	0	7	0	8	20
Non-Fuel Use	343	24	367	173	34	52	259	31	605	418	0	0	1,054	39	215	1,934
Total Production	**46,339**	**3,035**	**49,374**	**64,990**	**10,390**	**18,947**	**94,327**	**16,437**	**108,504**	**82,911**	**4,945**	**2,444**	**215,241**	**13,793**	**80,519**	**453,254**
Processing Gain(-) or Loss(+)[1]	-2,275	-8	-2,283	-2,330	-480	-467	-3,277	-152	-5,011	-4,550	-33	-48	-9,794	-449	-3,520	-19,323

1 Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products By PAD District, November 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,541	31	1,572	1,846	181	314	2,341	217	3,167	4,074	79	88	7,625	235	1,288	13,061
Ethane	0	0	0	0	0	0	0	-18	246	11	0	0	239	0	14	253
Propane	1,303	31	1,334	1,891	231	443	2,565	451	2,711	1,970	67	69	5,268	194	951	10,312
Normal Butane	217	0	217	-41	-48	-129	-218	-296	174	2,083	12	19	1,992	26	180	2,197
Isobutane	21	0	21	-4	-2	0	-6	80	36	10	0	0	126	15	143	299
Finished Motor Gasoline	20,040	1,184	21,224	35,485	5,086	11,368	51,939	8,594	44,942	36,667	1,798	1,237	93,238	6,983	33,828	207,212
Finished Leaded Motor Gasoline	3,345	259	3,604	7,268	1,266	4,108	12,642	2,629	8,433	6,854	227	454	18,597	2,856	8,949	46,648
Finished Unleaded Motor Gasoline	16,695	925	17,620	28,217	3,820	7,260	39,297	5,965	36,509	29,813	1,571	783	74,641	4,127	24,879	160,564
Finished Aviation Gasoline	0	0	0	63	6	0	69	90	83	136	0	0	309	15	89	482
Naphtha-Type Jet Fuel	389	0	389	319	6	330	655	902	853	1,087	165	237	3,244	431	1,800	6,519
Kerosene-Type Jet Fuel	2,162	0	2,162	3,123	530	955	4,608	960	7,987	9,136	107	26	18,216	760	9,380	35,126
Kerosene	291	91	382	871	64	-29	906	84	1,459	465	16	0	2,024	28	161	3,501
Distillate Fuel Oil	9,873	1,067	10,940	13,811	2,461	5,466	21,738	3,637	20,885	16,217	1,562	497	42,798	3,638	11,898	91,012
Residual Fuel Oil	3,186	61	3,247	1,989	242	141	2,372	494	5,146	3,950	264	15	9,869	301	12,058	27,847
Naphtha < 400 Deg. for Petro. Feed. Use	62	0	62	671	0	47	718	90	1,899	6	30	1	2,026	1	93	2,900
Other Oils > 400 Deg. for Petro. Feed. Use	10	0	10	491	0	58	549	137	3,759	1,397	0	0	5,293	1	270	6,123
Special Naphthas	11	7	18	362	0	117	479	115	923	-61	173	0	1,150	1	118	1,766
Lubricants	211	330	541	429	0	285	714	23	2,201	735	391	0	3,350	45	538	5,188
Waxes	0	80	80	24	0	23	47	10	153	84	54	0	301	36	79	543
Petroleum Coke	1,273	21	1,294	2,069	554	686	3,309	360	3,199	3,594	109	17	7,279	327	3,582	15,791
Marketable	302	0	302	1,052	423	448	1,923	62	1,685	2,702	85	0	4,534	160	2,631	9,550
Catalyst	971	21	992	1,017	131	238	1,386	298	1,514	892	24	17	2,745	167	951	6,241
Asphalt and Road Oil	2,030	208	2,238	2,176	525	737	3,438	350	605	756	794	96	2,601	675	1,599	10,551
Still Gas	1,672	164	1,836	2,569	356	844	3,769	703	4,520	3,151	173	76	8,623	530	3,638	18,396
Miscellaneous Products	221	54	275	183	40	65	288	27	681	438	0	0	1,146	45	138	1,892
Fuel Use	0	0	0	0	0	0	0	8	0	33	0	0	41	0	10	51
Non-Fuel Use	221	54	275	183	40	65	288	19	681	405	0	0	1,105	45	128	1,841
Total Production	**42,972**	**3,298**	**46,270**	**66,481**	**10,051**	**21,407**	**97,939**	**16,793**	**102,462**	**81,832**	**5,715**	**2,290**	**209,092**	**14,052**	**80,557**	**447,910**
Processing Gain(-) or Loss(+)[1]	-2,174	-44	-2,218	-2,317	-581	-626	-3,524	-313	-4,150	-4,249	-37	-56	-8,805	-279	-3,728	-18,554

[1] Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 12. Refinery Net Production of Petroleum Products by PAD District, December 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,630	22	1,652	1,914	242	172	2,328	210	3,052	4,347	98	81	7,788	191	1,489	13,448
Ethane	0	0	0	0	0	0	0	-14	212	-5	0	0	193	0	108	301
Propane	1,438	22	1,460	1,986	233	380	2,599	372	2,580	2,003	78	64	5,097	191	1,089	10,436
Normal Butane	167	0	167	-32	0	-208	-240	-300	270	2,303	20	17	2,310	11	236	2,484
Isobutane	25	0	25	-40	9	0	-31	152	-10	46	0	0	188	-11	56	227
Finished Motor Gasoline	20,910	1,181	22,091	36,420	4,960	11,613	52,993	8,840	49,944	36,778	1,772	1,292	98,626	7,176	36,557	217,443
Finished Leaded Motor Gasoline	2,826	276	3,102	6,125	1,252	3,673	11,050	2,504	9,866	6,818	240	469	19,897	2,675	9,867	46,591
Finished Unleaded Motor Gasoline	18,084	905	18,989	30,295	3,708	7,940	41,943	6,336	40,078	29,960	1,532	823	78,729	4,501	26,690	170,852
Finished Aviation Gasoline	10	0	10	59	36	18	113	117	260	104	0	0	481	16	52	672
Naphtha-Type Jet Fuel	670	0	670	324	26	227	577	805	768	1,184	162	287	3,206	419	1,508	6,380
Kerosene-Type Jet Fuel	2,098	0	2,098	4,551	219	1,164	5,934	840	9,068	8,994	100	56	19,058	858	10,272	38,220
Kerosene	135	123	258	744	155	13	912	177	1,331	434	29	0	1,971	47	142	3,330
Distillate Fuel Oil	11,848	962	12,810	13,729	2,545	5,849	22,123	3,825	24,251	18,820	1,625	468	48,989	3,477	13,051	100,450
Residual Fuel Oil	4,863	95	4,958	1,866	211	126	2,203	528	6,329	3,995	329	9	11,190	359	12,331	31,041
Naphtha < 400 Deg. for Petro. Feed. Use	109	0	109	723	0	91	814	95	2,027	76	32	2	2,232	8	180	3,343
Other Oils > 400 Deg. for Petro. Feed. Use	10	0	10	742	0	60	802	152	4,645	1,420	0	0	6,217	1	320	7,350
Special Naphthas	73	29	102	316	0	96	412	94	867	-151	202	0	1,012	-1	111	1,636
Lubricants	293	377	670	397	0	329	726	21	1,955	507	359	0	2,842	35	567	4,840
Waxes	0	90	90	19	0	34	53	13	159	66	54	0	292	40	60	535
Petroleum Coke	1,383	22	1,405	2,380	611	670	3,661	326	3,256	3,795	152	17	7,546	336	3,972	16,920
Marketable	386	0	386	1,364	481	404	2,249	43	1,641	2,870	113	0	4,667	158	2,946	10,406
Catalyst	997	22	1,019	1,016	130	266	1,412	283	1,615	925	39	17	2,879	178	1,026	6,514
Asphalt and Road Oil	1,248	176	1,424	1,572	401	704	2,677	344	618	940	660	100	2,662	617	1,139	8,519
Still Gas	1,959	176	2,135	2,768	353	851	3,972	694	5,286	3,344	180	87	9,591	547	4,117	20,362
Miscellaneous Products	340	53	393	189	38	49	276	-3	707	578	0	0	1,282	53	186	2,190
Fuel Use	5	0	5	0	0	0	0	12	0	106	0	0	118	0	11	134
Non-Fuel Use	335	53	388	189	38	49	276	-15	707	472	0	0	1,164	53	175	2,056
Total Production	**47,579**	**3,306**	**50,885**	**68,713**	**9,797**	**22,066**	**100,576**	**17,078**	**114,523**	**85,231**	**5,754**	**2,399**	**224,985**	**14,179**	**86,054**	**476,679**
Processing Gain(-) or Loss(+)[1]	-2,086	-72	-2,158	-2,788	-630	-331	-3,749	-366	-5,904	-4,179	-84	-68	-10,601	-281	-4,268	-21,057

1 Represents the arithmetic difference between input and output.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.8	0.9	3.5	3.2	3.1	1.5	2.8	2.9	4.1	5.5	1.8	3.2	4.5	1.2	1.7	3.4
Finished Motor Gasoline[2]	51.6	37.3	50.4	51.4	53.7	54.6	52.3	50.6	41.9	43.3	27.6	49.2	42.8	53.5	43.5	46.1
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.3	.0	.1	.7	.3	.1	.0	.0	.3	.2	.2	.2
Naphtha-Type Jet Fuel	1.4	0	1.2	.4	1.0	1.3	.7	4.8	1.0	.9	3.5	15.0	1.5	2.8	1.6	1.4
Kerosene-Type Jet Fuel	4.9	.0	4.5	7.6	4.6	5.9	6.9	6.5	8.6	13.5	2.1	1.9	10.0	6.9	13.0	9.3
Kerosene	.8	3.5	1.0	2.0	.7	-.2	1.3	1.1	1.6	1.0	.2	0	1.2	.1	.1	1.0
Distillate Fuel Oil	21.9	27.1	22.3	21.3	24.5	24.2	22.3	22.1	22.2	22.3	28.7	21.0	22.4	24.1	17.0	21.4
Residual Fuel Oil	11.7	8.7	11.5	3.8	-1.4	1.1	2.7	4.6	5.9	5.3	4.3	.5	5.4	2.7	15.2	7.2
Naphtha < 400 Deg. for Petro. Feed. Use	.3	0	.2	1.3	0	.5	1.0	.6	1.3	.3	0	.5	.9	-.1	.1	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	0	.7	.9	6.2	1.7	0	0	3.9	.0	.3	2.0
Special Naphthas	.1	.2	.1	.4	0	1.3	.6	1.0	.9	.0	3.0	0	.6	.0	.2	.5
Lubricants	.6	10.4	1.4	.8	0	1.7	.9	.1	2.1	.9	8.4	0	1.6	.2	.9	1.3
Waxes	0	2.4	.2	.0	0	.2	.0	.0	.1	.1	1.1	0	.1	.0	.1	1
Petroleum Coke	3.3	.7	3.1	3.9	6.8	3.3	4.0	2.2	3.5	5.1	2.3	.7	3.9	2.5	5.2	4.0
Asphalt and Road Oil	.6	3.8	.9	2.3	8.8	3.0	3.1	.8	.3	.8	14.3	6.5	1.0	4.2	1.5	1.7
Still Gas	4.8	5.1	4.8	4.8	4.2	5.0	4.8	4.4	4.8	4.3	3.5	3.8	4.5	4.2	5.4	4.8
Miscellaneous Products	.6	2.1	.7	.3	.4	.3	.3	.4	.8	.7	.3	0	.7	.3	.2	5
Processing Gain(-) or Loss(+)[4]	-6.3	-2.2	-5.9	-4.7	-6.7	-3.8	-4.7	-3.8	-5.7	-5.9	-1.2	-2.3	-5.5	-2.7	-6.0	-5.4

[1] Based on crude oil input and net reruns of unfinished oils.
[2] Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol
[3] Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
[4] Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures. See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] February 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.6	1.0	3.4	3.0	3.2	1.8	2.8	1.5	4.3	5.7	1.8	3.9	4.5	1.5	1.9	3.4
Finished Motor Gasoline[2]	48.9	32.5	47.7	52.4	54.3	53.7	52.8	49.4	43.5	43.6	29.7	54.5	43.7	51.8	44.3	46.5
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.0	.0	.1	1.0	.1	.4	.0	.0	.3	.0	.2	.2
Naphtha-Type Jet Fuel	1.8	0	1.7	.4	.6	1.5	.6	5.8	1.1	1.0	3.3	10.2	1.6	3.4	2.1	1.6
Kerosene-Type Jet Fuel	5.9	.0	5.4	7.2	5.2	7.2	7.0	6.3	9.6	11.5	1.8	1.8	9.7	5.9	12.8	9.2
Kerosene	.2	3.8	.5	.9	.6	-.7	.5	.0	1.2	.7	.1	0	.8	.7	.3	.6
Distillate Fuel Oil	20.6	27.9	21.1	21.2	25.2	24.8	22.4	20.9	20.0	22.8	28.2	20.5	21.4	25.3	16.0	20.6
Residual Fuel Oil	12.7	7.5	12.3	3.5	2.9	1.2	2.9	4.6	4.4	5.0	3.9	.5	4.6	2.6	13.5	6.7
Naphtha < 400 Deg. for Petro. Feed. Use	.6	0	.6	1.4	0	.5	1.1	.7	1.6	.5	0	-.4	1.0	.0	.2	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.9	0	0	.6	1.0	6.9	2.1	0	0	4.3	.0	.5	2.2
Special Naphthas	.0	.5	.0	.6	0	.5	.5	.9	1.2	-.1	3.0	0	.7	.0	.2	.5
Lubricants	.5	11.9	1.4	.8	0	1.8	.9	.2	1.9	1.0	9.0	0	1.6	.3	.9	1.3
Waxes	0	2.5	.2	.0	0	.2	.1	.1	.2	.1	1.1	0	.2	.0	.1	.1
Petroleum Coke	3.7	.7	3.5	4.0	6.7	4.0	4.3	2.4	3.8	5.1	2.2	1.0	4.1	2.3	5.4	4.3
Asphalt and Road Oil	1.4	5.7	1.8	3.1	3.7	3.1	3.1	1.1	.4	1.1	13.6	6.3	1.2	4.2	1.8	1.9
Still Gas	4.8	4.5	4.7	4.9	4.1	4.9	4.8	4.4	5.0	4.3	3.6	4.4	4.6	4.1	5.3	4.8
Miscellaneous Products	.8	1.9	.9	.4	.5	.3	.3	.2	.7	.8	.4	0	.7	.4	.2	.5
Processing Gain(-) or Loss(+)[4]	-5.5	-.3	-5.1	-4.8	-7.0	-4.7	-5.0	-.4	-5.6	-5.8	-1.6	-2.6	-5.1	-2.6	-5.9	-5.2

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.3	1.0	3.1	2.9	3.0	2.2	2.7	2.0	3.9	6.7	1.5	3.4	4.7	1.5	2.3	3.6
Finished Motor Gasoline[2]	51.1	34.3	49.8	52.2	54.5	52.6	52.5	49.1	45.1	48.1	24.8	48.9	46.1	50.8	42.9	47.4
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.1	.0	.1	.8	.2	.0	.0	.0	.2	.1	.1	.1
Naphtha-Type Jet Fuel	1.3	0	1.2	.4	.3	1.6	.6	5.9	1.1	.8	5.3	13.8	1.6	3.1	2.0	1.5
Kerosene-Type Jet Fuel	4.9	.0	4.5	7.2	7.4	6.1	7.0	6.0	9.1	11.1	1.3	3.2	9.3	7.0	12.2	8.8
Kerosene	.3	3.3	.5	.3	.2	.7	.4	.0	.9	.5	.6	0	.7	.0	.2	.5
Distillate Fuel Oil	19.5	28.3	20.2	20.2	22.6	24.6	21.4	22.1	19.4	18.5	28.1	21.1	19.5	25.7	15.7	19.4
Residual Fuel Oil	13.2	8.0	12.8	3.4	3.3	1.0	2.9	3.7	3.9	4.7	3.7	.5	4.1	3.1	15.3	6.9
Naphtha < 400 Deg. for Petro. Feed. Use	.2	0	.2	1.3	0	.5	1.0	.4	2.0	.6	0	-.1	1.2	.0	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	0	.8	.9	5.7	2.7	0	0	4.0	.0	.5	2.1
Special Naphthas	.0	.4	.1	.8	0	.5	.6	.5	1.2	.0	3.4	0	.7	.0	.1	.5
Lubricants	.9	11.5	1.8	.8	0	1.9	1.0	.1	2.1	1.0	7.8	0	1.7	.2	.7	1.3
Waxes	0	2.3	.2	.1	0	.2	.1	.0	.2	.1	1.3	0	.2	.2	.1	.1
Petroleum Coke	2.6	.7	2.4	3.9	6.4	3.7	4.1	2.3	3.4	4.9	2.1	.9	3.8	2.6	5.1	3.9
Asphalt and Road Oil	3.0	5.1	3.2	3.6	3.5	3.3	3.5	2.2	.8	1.6	16.1	6.2	1.7	2.8	1.9	2.3
Still Gas	4.2	5.2	4.3	4.7	3.8	4.9	4.7	4.5	5.9	4.5	4.0	3.8	5.2	4.5	5.0	4.9
Miscellaneous Products	.6	1.2	.6	.3	.5	.3	.3	.4	.7	.7	.3	0	.6	.2	.2	5
Processing Gain(-) or Loss(+)[4]	-5.2	-1.5	-4.9	-3.6	-5.7	-3.9	-3.9	-1.0	-5.7	-6.4	-.2	-1.6	-5.4	-2.1	-4.6	-4.8

[1] Based on crude oil input and net reruns of unfinished oils.
[2] Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
[3] Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
[4] Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes [1] and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] April 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.8	0.5	3.6	3.0	3.3	2.3	2.8	1.9	3.7	6.6	2.0	4.6	4.6	1.8	2.2	3.6
Finished Motor Gasoline[2]	48.4	31.3	47.2	51.8	52.5	53.7	52.3	48.7	47.2	48.7	27.0	48.6	47.3	49.7	43.8	47.8
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.2	.1	.1	.6	.1	.2	.0	.0	.2	.1	.2	.1
Naphtha-Type Jet Fuel	1.9	0	1.7	.6	.2	1.5	.8	6.0	.9	1.0	4.4	14.0	1.6	2.7	2.0	1.5
Kerosene-Type Jet Fuel	3.9	.0	3.7	6.5	7.0	4.8	6.2	6.1	7.6	10.6	2.8	1.9	8.4	6.6	11.9	8.1
Kerosene	.6	1.2	.6	.4	-.1	.2	.3	.2	.6	.1	.1	0	.4	-.3	.3	.4
Distillate Fuel Oil	19.9	33.9	20.9	21.8	25.1	25.8	23.0	23.1	18.4	18.3	27.4	22.3	19.1	26.6	15.1	19.6
Residual Fuel Oil	9.7	4.6	9.3	2.6	2.5	1.0	2.2	3.1	4.7	3.7	2.9	.5	4.1	2.7	15.2	6.4
Naphtha < 400 Deg. for Petro. Feed. Use	.8	0	.8	1.0	0	.4	.7	.7	2.4	.3	0	.5	1.4	.1	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.9	0	0	.6	.9	6.2	3.6	0	0	4.6	.1	.4	2.3
Special Naphthas	.0	.7	.1	.6	0	.5	.5	.4	.9	.0	3.3	0	.6	.0	.1	.4
Lubricants	.5	12.2	1.3	.7	0	1.5	.8	.2	2.3	1.1	9.9	0	1.9	.2	.8	1.3
Waxes	0	2.9	.2	.0	0	.2	.1	.0	.2	.1	1.1	0	.2	.4	.1	.1
Petroleum Coke	2.4	.7	2.3	3.6	6.0	3.5	3.8	2.3	3.3	4.7	2.2	.9	3.7	2.3	5.1	3.8
Asphalt and Road Oil	6.9	6.9	6.9	4.6	5.0	3.5	4.4	2.4	.8	2.0	14.5	5.9	1.8	4.9	2.4	3.1
Still Gas	4.6	3.8	4.6	4.8	3.8	5.1	4.8	4.8	6.0	4.8	3.6	3.7	5.3	4.1	5.4	5.1
Miscellaneous Products	.3	1.5	.4	.6	.4	.2	.5	.5	.7	.6	.3	0	.6	.4	.3	.5
Processing Gain(-) or Loss(+)[4]	-3.7	-.2	-3.4	-3.6	-6.0	-4.2	-4.0	-2.0	-5.9	-6.2	-1.5	-2.9	-5.6	-2.5	-5.7	-4.9

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products By PAD District, 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.1	0.9	2.9	3.1	3.2	2.1	2.9	1.2	3.8	6.2	1.9	6.2	4.4	1.8	1.9	3.3
Finished Motor Gasoline[2]	48.5	34.3	47.4	55.0	49.3	53.4	54.2	46.8	46.6	48.6	28.4	48.5	46.8	49.4	44.7	48.1
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.0	.1	.1	.8	.2	.2	.0	.0	.2	.3	.3	.2
Naphtha-Type Jet Fuel	2.3	0	2.2	.6	.1	.8	.6	6.7	1.0	1.2	3.1	12.0	1.7	3.1	2.1	1.6
Kerosene-Type Jet Fuel	4.1	.0	3.8	6.3	5.1	4.7	5.8	6.3	7.5	10.3	1.9	1.9	8.2	5.1	11.8	7.8
Kerosene	-.3	.4	-.3	.2	.1	.0	.1	.4	.7	.3	.5	0	.5	.2	.2	.3
Distillate Fuel Oil	19.3	33.4	20.4	19.2	28.2	26.2	21.5	22.6	18.5	18.4	28.0	23.3	19.1	27.1	16.0	19.4
Residual Fuel Oil	10.2	2.5	9.6	2.6	3.1	.8	2.2	3.3	5.1	3.7	4.6	.6	4.4	1.6	13.4	6.2
Naphtha < 400 Deg. for Petro. Feed. Use	.6	0	.6	1.3	0	.6	1.1	.5	2.3	.2	.3	-.1	1.4	-.2	.3	1.0
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	0	.7	.8	6.9	3.3	0	0	4.9	.0	.4	2.5
Special Naphthas	.0	.9	.1	.4	0	.6	.4	.6	1.1	-.1	2.5	0	.6	.0	.2	.4
Lubricants	.6	11.9	1.5	.7	0	1.4	.8	.1	2.0	.7	8.5	0	1.6	.3	.8	1.2
Waxes	0	2.3	.2	.0	0	.1	.1	.1	.1	.1	.9	0	.1	.0	.1	.1
Petroleum Coke	3.1	.6	2.9	3.4	4.7	3.4	3.5	2.3	3.3	5.0	1.6	.9	3.7	2.1	4.9	3.8
Asphalt and Road Oil	9.1	7.7	9.0	5.6	5.9	4.1	5.3	2.3	.6	2.0	14.9	5.9	1.7	6.3	2.9	3.6
Still Gas	4.6	4.5	4.6	4.8	4.0	4.9	4.8	5.1	5.6	5.0	3.5	3.8	5.3	4.0	5.4	5.1
Miscellaneous Products	.5	1.3	.6	.5	.3	.3	.4	.3	.6	.7	.3	0	.6	.4	.2	.5
Processing Gain(-) or Loss(+)[4]	-5.8	-.7	-5.3	-4.9	-3.9	-3.6	-4.5	-.2	-6.0	-5.9	-1.0	-2.8	-5.3	-1.5	-5.6	-5.1

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] June 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.5	0.9	3.3	3.2	3.0	2.3	3.0	0.9	3.6	5.4	2.0	5.7	4.0	2.2	2.3	3.4
Finished Motor Gasoline[2]	44.2	35.5	43.5	53.4	50.4	53.3	53.1	46.9	46.2	47.4	27.7	50.5	46.2	47.2	44.9	47.2
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.3	.1	.2	1.1	.4	.2	.0	.0	.3	.2	.2	.2
Naphtha-Type Jet Fuel	1.5	0	1.4	.5	.4	.6	.5	6.3	.9	1.3	2.9	11.2	1.6	2.9	2.1	1.5
Kerosene-Type Jet Fuel	5.1	.0	4.7	5.8	5.6	4.8	5.6	5.7	7.1	9.9	2.1	1.1	7.8	6.2	11.5	7.6
Kerosene	.0	1.2	.1	.1	-.4	-.2	.0	.0	.8	.4	.2	0	.6	-.1	.1	.3
Distillate Fuel Oil	20.4	31.8	21.3	19.5	24.3	26.8	21.6	23.0	18.2	18.7	28.8	22.3	19.1	26.2	16.1	19.6
Residual Fuel Oil	10.3	1.9	9.7	2.3	2.4	.9	2.0	3.5	5.7	5.1	3.7	.7	5.2	2.0	12.7	6.3
Naphtha < 400 Deg. for Petro. Feed. Use	.6	0	.5	1.5	0	.5	1.1	.7	2.3	.2	.3	-.2	1.3	.2	.3	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	0	.7	1.0	6.1	3.0	0	0	4.3	.0	.4	2.2
Special Naphthas	.1	.8	.1	.5	0	.4	.4	.6	1.0	-.2	3.3	0	.6	.0	.1	.4
Lubricants	.8	12.2	1.6	.8	0	1.5	.9	.2	2.0	1.1	8.1	0	1.7	.4	.7	1.3
Waxes	0	2.5	.2	.0	0	.2	.1	.1	.1	.1	.9	0	.1	.1	.1	.1
Petroleum Coke	3.0	.6	2.8	3.5	4.5	3.3	3.6	2.4	3.3	4.5	1.5	.8	3.6	3.0	5.2	3.8
Asphalt and Road Oil	9.4	6.6	9.2	6.6	10.9	3.2	6.3	2.6	.7	3.0	15.7	5.3	2.2	7.3	3.1	4.2
Still Gas	4.7	5.6	4.8	4.9	3.3	5.3	4.8	5.2	5.2	4.6	3.5	4.2	4.9	4.0	5.6	5.0
Miscellaneous Products	.6	1.2	.7	.5	.3	.3	.4	.4	.6	.5	.2	0	.5	.4	.3	.5
Processing Gain(-) or Loss(+)[4]	-4.2	-.8	-3.9	-4.3	-5.1	-3.4	-4.2	-.6	-4.1	-5.2	-1.0	-1.6	-4.1	-2.2	-5.7	-4.3

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.8	0.9	3.6	3.3	3.1	1.7	2.9	1.8	3.9	5.9	1.7	6.1	4.4	1.9	2.3	3.5
Finished Motor Gasoline[2]	44.5	36.4	43.9	52.9	50.1	53.6	52.8	46.4	44.7	46.5	26.7	50.3	45.1	48.9	43.8	46.5
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.2	.1	.1	1.3	.1	.3	.0	.0	.3	.2	.3	.2
Naphtha-Type Jet Fuel	1.9	0	1.8	.6	.5	.9	.6	5.8	1.3	1.4	3.0	12.3	1.8	2.9	1.7	1.6
Kerosene-Type Jet Fuel	5.0	0	4.7	5.5	4.8	4.8	5.3	6.8	7.9	10.3	2.8	1.9	8.4	5.7	12.7	8.1
Kerosene	.1	1.3	.2	.1	.2	-.7	.0	.1	1.1	.3	.1	0	.7	.1	.2	.4
Distillate Fuel Oil	20.1	31.6	21.0	19.5	21.4	27.2	21.3	24.0	18.1	18.7	29.6	22.0	19.1	25.4	15.5	19.3
Residual Fuel Oil	9.6	2.1	9.0	2.5	2.5	.6	2.1	2.8	5.7	5.5	3.7	.8	5.3	1.7	13.6	6.5
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	1.4	0	.4	1.0	.6	2.5	.1	.5	.2	1.4	.0	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.3	0	.4	.9	.9	6.0	2.4	0	0	4.1	.0	.4	2.1
Special Naphthas	.1	.9	.2	.6	0	.5	.5	.4	.9	-.1	3.3	0	.5	.0	.1	.4
Lubricants	.9	10.7	1.7	.6	0	1.6	.8	.2	2.0	.9	7.3	0	1.6	.3	.8	1.2
Waxes	0	2.7	.2	.0	0	.1	.0	.1	.1	.1	1.0	0	.1	.4	.1	.1
Petroleum Coke	3.0	.6	2.8	3.5	3.7	3.3	3.5	2.2	3.2	4.6	2.0	.9	3.6	2.0	5.0	3.7
Asphalt and Road Oil	9.2	7.0	9.0	7.3	14.7	5.0	7.6	3.2	1.2	2.9	15.5	4.1	2.4	8.3	3.3	4.6
Still Gas	4.6	5.8	4.7	4.8	3.3	4.8	4.7	5.2	4.9	4.7	3.4	4.4	4.8	3.9	5.4	4.8
Miscellaneous Products	.5	1.5	.5	.5	.3	.2	.4	.3	.6	.6	.3	0	.6	.3	.2	.4
Processing Gain(-) or Loss(+)[4]	-4.0	-1.5	-3.8	-4.6	-4.9	-4.4	-4.6	-2.1	-4.3	-5.0	-1.0	-3.1	-4.2	-2.1	-5.5	-4.4

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] August 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.4	0.8	3.2	3.1	2.5	1.9	2.8	1.7	3.4	5.6	1.6	5.9	4.1	2.1	2.3	3.3
Finished Motor Gasoline[2]	43.5	33.5	42.8	53.3	51.0	53.8	53.2	45.0	44.6	46.0	25.0	47.5	44.6	50.0	43.1	46.2
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.1	.1	.2	.9	.3	.1	.0	.0	.3	.2	.3	.2
Naphtha-Type Jet Fuel	1.9	0	1.7	.3	.3	.9	.5	6.6	1.0	1.3	3.6	13.2	1.8	2.7	1.8	1.5
Kerosene-Type Jet Fuel	5.6	0	5.2	6.3	5.1	5.4	5.9	6.9	9.2	10.8	2.5	1.9	9.3	5.3	12.9	8.7
Kerosene	.0	2.4	.2	.3	.8	.1	.3	.0	1.0	.6	.5	0	.8	.0	.2	.5
Distillate Fuel Oil	20.7	30.9	21.4	19.6	22.2	24.8	21.0	24.8	18.6	20.3	27.8	22.9	20.0	25.4	15.2	19.7
Residual Fuel Oil	9.6	1.9	9.0	2.5	2.7	.6	2.1	2.9	5.1	5.2	4.6	.6	4.9	2.3	14.4	6.4
Naphtha < 400 Deg. for Petro. Feed. Use	.6	0	.6	1.1	0	.4	.8	.7	2.4	.1	.5	.1	1.4	.0	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	.2	.9	1.1	6.1	2.1	0	0	4.0	.0	.3	2.0
Special Naphthas	.2	.8	.2	.4	0	.5	.4	.7	.9	-.2	3.6	0	.6	.0	.2	.4
Lubricants	.9	12.2	1.7	.6	0	1.4	.8	.1	2.3	.9	7.3	0	1.7	.3	.5	1.2
Waxes	0	2.7	.2	.0	0	.1	.1	.0	.2	.1	.9	0	.2	-.2	.1	.1
Petroleum Coke	3.0	.7	2.9	3.5	4.3	2.8	3.5	2.3	3.4	4.7	2.0	.9	3.7	1.9	4.7	3.7
Asphalt and Road Oil	9.7	7.3	9.5	7.1	11.5	5.1	7.1	3.1	1.1	2.4	17.5	4.9	2.3	7.7	3.3	4.5
Still Gas	4.6	6.2	4.7	4.8	3.4	4.8	4.7	5.0	4.7	4.7	3.2	4.3	4.7	4.2	5.1	4.7
Miscellaneous Products	.5	1.4	.6	.4	.4	.3	.3	.2	.6	.6	.4	0	.6	.3	.3	.5
Processing Gain(-) or Loss(+)[4]	-4.4	-.8	-4.2	-4.9	-4.3	-3.3	-4.5	-2.1	-4.9	-5.3	-.9	-2.2	-4.7	-2.3	-4.7	-4.5

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, September 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.5	0.9	3.3	3.4	2.5	1.7	2.9	1.9	3.3	5.7	1.3	5.8	4.1	2.2	2.2	3.3
Finished Motor Gasoline[2]	43.7	33.3	43.0	52.0	50.5	52.1	51.9	43.6	45.0	46.1	23.4	50.1	44.8	48.4	42.6	45.9
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.3	.1	.1	1.2	.2	.2	.0	.0	.3	.2	.3	.2
Naphtha-Type Jet Fuel	2.1	0	2.0	.3	.3	.7	.4	6.6	1.3	1.0	4.3	12.1	1.8	2.8	1.6	1.5
Kerosene-Type Jet Fuel	5.5	.0	5.1	6.0	5.5	6.0	6.0	7.0	8.3	12.2	3.9	1.5	9.5	5.9	12.4	8.7
Kerosene	.1	1.7	.2	.9	.0	.1	.6	.7	1.2	.7	.4	0	1.0	.0	.3	.7
Distillate Fuel Oil	20.2	31.4	21.0	19.9	23.9	26.6	21.8	24.5	19.7	19.8	27.2	22.7	20.3	26.2	15.8	20.1
Residual Fuel Oil	9.0	2.3	8.5	2.3	2.4	.5	1.9	3.4	5.6	5.0	4.7	.6	5.1	2.6	15.3	6.6
Naphtha < 400 Deg. for Petro. Feed. Use	.7	0	.7	1.1	0	.3	.8	.7	2.5	.0	.5	-.2	1.3	.1	.2	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.3	0	.2	.9	1.1	5.3	1.8	0	0	3.4	.0	.4	1.9
Special Naphthas	.2	.4	.2	.6	0	.5	.5	.6	1.0	.0	3.7	0	.6	.0	.2	.5
Lubricants	.7	11.9	1.5	.9	0	1.6	.9	.2	2.4	.8	7.5	0	1.7	.3	.4	1.2
Waxes	0	3.2	.2	.0	0	.1	.0	.1	.1	.1	.7	0	.1	.7	.1	.1
Petroleum Coke	3.0	.6	2.8	3.4	4.5	3.3	3.5	2.1	3.3	4.6	.5	.9	3.6	2.1	4.9	3.7
Asphalt and Road Oil	10.2	8.8	10.1	6.9	11.6	5.4	7.1	2.9	1.0	2.3	20.7	5.2	2.1	7.1	3.3	4.4
Still Gas	4.7	5.1	4.7	4.6	3.6	4.7	4.5	5.2	5.3	4.5	2.5	4.2	4.9	4.4	5.3	4.8
Miscellaneous Products	.7	1.3	.7	.3	.4	.2	.3	.3	.7	.6	.0	0	.6	.3	.3	.5
Processing Gain(-) or Loss(+)[4]	-4.5	-1.0	-4.2	-4.1	-5.6	-4.1	-4.3	-2.1	-6.1	-5.3	-1.4	-2.8	-5.4	-3.2	-5.3	-4.9

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] October 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.0	0.5	3.8	3.5	2.0	1.2	2.8	1.7	3.1	5.8	1.2	3.6	4.0	2.2	2.1	3.3
Finished Motor Gasoline[2]	43.1	32.3	42.3	51.7	49.1	50.3	51.1	44.2	44.0	44.7	22.7	49.1	43.8	48.8	40.1	44.7
Finished Aviation Gasoline[3]	.0	.0	.0	.3	.4	.1	.2	.8	.2	.1	.0	.0	.2	.2	.2	.2
Naphtha-Type Jet Fuel	1.5	0	1.4	.6	.2	1.5	.8	6.0	1.2	1.2	3.8	14.2	1.8	4.2	2.0	1.7
Kerosene-Type Jet Fuel	5.9	.0	5.5	6.2	3.7	6.4	5.9	7.3	8.8	12.3	3.0	2.3	9.8	6.4	12.8	9.0
Kerosene	.4	2.4	.6	.9	1.1	.8	.9	1.0	1.5	1.1	.4	0	1.2	.1	.3	.9
Distillate Fuel Oil	23.3	34.2	24.0	20.2	26.3	27.8	22.5	23.7	19.9	22.1	26.7	22.9	21.2	26.4	16.0	21.0
Residual Fuel Oil	8.2	2.3	7.8	2.2	2.4	.7	1.9	3.1	5.9	4.6	5.9	.7	5.1	2.2	16.4	6.7
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	1.2	0	.5	.9	.7	2.5	.3	.6	-.1	1.4	-.2	.4	1.0
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	.3	.8	1.1	4.9	1.5	0	0	3.1	.0	.3	1.7
Special Naphthas	.1	1.0	.2	.7	0	.4	.5	.6	1.0	-.1	3.7	0	.6	.0	.1	.4
Lubricants	.9	10.8	1.5	.7	0	1.2	.8	.2	2.3	.9	9.7	0	1.7	.2	.8	1.3
Waxes	0	2.7	.2	.1	0	.1	.1	.1	.2	.1	1.1	0	.1	-.3	.1	.1
Petroleum Coke	3.1	.7	2.9	3.5	4.6	2.7	3.5	2.1	3.3	4.8	1.4	.8	3.7	2.3	4.8	3.7
Asphalt and Road Oil	9.2	7.7	9.1	6.4	11.4	4.7	6.6	3.3	.7	1.8	18.0	4.9	1.8	6.8	3.0	4.0
Still Gas	4.5	4.9	4.5	4.4	3.4	3.8	4.2	4.9	5.1	4.2	2.4	3.8	4.7	4.0	4.9	4.6
Miscellaneous Products	.9	.8	.8	.3	.4	.3	.3	.3	.6	.6	.0	0	.5	.3	.3	.5
Processing Gain(-) or Loss(+)[4]	-5.6	-.3	-5.2	-4.0	-5.0	-2.7	-3.9	-1.0	-5.1	-6.1	-.7	-2.2	-5.0	-3.5	-4.8	-4.7

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD Districts, November 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.9	1.0	3.7	3.1	2.0	1.6	2.7	1.5	3.4	5.6	1.5	4.3	4.0	1.8	1.7	3.2
Finished Motor Gasoline[2]	47.4	35.3	46.5	51.7	51.8	51.1	51.6	46.4	43.3	43.9	28.3	51.5	43.4	47.9	42.7	45.5
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.1	.0	.1	.6	.1	.2	.0	.0	.2	.1	.1	.1
Naphtha-Type Jet Fuel	1.0	0	.9	.5	.1	1.7	.7	6.1	.9	1.5	3.1	11.5	1.7	3.3	2.4	1.6
Kerosene-Type Jet Fuel	5.5	.0	5.1	5.3	5.8	5.0	5.3	6.5	8.5	12.5	2.0	1.3	9.6	5.8	12.5	8.6
Kerosene	.7	2.8	.9	1.5	.7	-.2	1.0	.6	1.5	.6	.3	0	1.1	.2	.2	.9
Distillate Fuel Oil	25.0	33.4	25.6	23.3	27.0	28.4	24.8	24.7	22.2	22.2	28.9	24.2	22.6	27.9	15.9	22.3
Residual Fuel Oil	8.1	1.9	7.6	3.3	2.7	.7	2.7	3.4	5.5	5.4	4.9	.7	5.2	2.3	16.1	6.8
Naphtha < 400 Deg. for Petro. Feed. Use	.2	0	.1	1.1	0	.2	.8	.6	2.0	.0	.6	.0	1.1	.0	.1	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.8	0	.3	.6	.9	4.0	1.9	0	0	2.8	.0	.4	1.5
Special Naphthas	.0	.2	.0	.6	0	.6	.5	.8	1.0	-.1	3.2	0	.6	.0	.2	.4
Lubricants	.5	10.3	1.3	.7	0	1.5	.8	.2	2.3	1.0	7.2	0	1.8	.3	.7	1.3
Waxes	0	2.5	.2	.0	0	.1	.1	.1	.2	.1	1.0	0	.2	.3	.1	.1
Petroleum Coke	3.2	.7	3.0	3.5	6.1	3.6	3.8	2.4	3.4	4.9	2.0	.8	3.8	2.5	4.8	3.9
Asphalt and Road Oil	5.1	6.5	5.2	3.7	5.8	3.8	3.9	2.4	.6	1.0	14.7	4.7	1.4	5.2	2.1	2.6
Still Gas	4.2	5.1	4.3	4.3	3.9	4.4	4.3	4.8	4.8	4.3	3.2	3.7	4.6	4.1	4.8	4.5
Miscellaneous Products	.6	1.7	.6	.3	.4	.3	.3	.2	.7	.6	.0	0	.6	.3	.2	.5
Processing Gain(-) or Loss(+)[4]	-5.5	-1.4	-5.2	-3.9	-6.4	-3.3	-4.0	-2.1	-4.4	-5.8	-.7	-2.7	-4.7	-2.1	-5.0	-4.5

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] December 1987

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.6	0.7	3.4	3.1	2.7	0.9	2.6	1.4	3.0	5.6	1.8	3.9	3.9	1.4	1.9	3.1
Finished Motor Gasoline[2]	45.3	35.2	44.6	51.7	52.5	49.3	51.3	46.9	42.4	42.7	28.3	50.0	42.6	49.0	43.5	45.0
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.4	.1	.1	.8	.3	.1	.0	.0	.2	.1	.0	.1
Naphtha-Type Jet Fuel	1.5	0	1.4	.5	.3	1.1	.6	5.4	.8	1.5	3.0	13.8	1.6	3.2	1.9	1.5
Kerosene-Type Jet Fuel	4.7	.0	4.4	7.4	2.5	5.8	6.6	5.7	8.9	11.6	1.8	2.7	9.5	6.5	12.8	8.8
Kerosene	.3	3.9	.5	1.2	1.8	.1	1.0	1.2	1.3	.6	.5	0	1.0	.4	.2	.8
Distillate Fuel Oil	26.4	30.3	26.6	22.5	28.7	29.3	24.6	25.8	23.8	24.4	29.9	22.5	24.3	26.4	16.3	23.2
Residual Fuel Oil	10.8	3.0	10.3	3.1	2.4	.6	2.4	3.6	6.2	5.2	6.1	.4	5.6	2.7	15.4	7.2
Naphtha < 400 Deg. for Petro. Feed. Use	.2	0	.2	1.2	0	.5	.9	.6	2.0	.1	.6	.1	1.1	.1	.2	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	.3	.9	1.0	4.6	1.8	0	0	3.1	.0	.4	1.7
Special Naphthas	.2	.9	.2	.5	0	.5	.5	.6	.9	–.2	3.7	0	.5	.0	.1	.4
Lubricants	.7	11.9	1.4	.6	0	1.6	.8	.1	1.9	.7	6.6	0	1.4	.3	.7	1.1
Waxes	0	2.8	.2	.0	0	.2	.1	.1	.2	.1	1.0	0	.1	.3	.1	.1
Petroleum Coke	3.1	.7	2.9	3.9	6.9	3.4	4.1	2.2	3.2	4.9	2.8	.8	3.7	2.5	5.0	3.9
Asphalt and Road Oil	2.8	5.6	3.0	2.6	4.5	3.5	3.0	2.3	.6	1.2	12.1	4.8	1.3	4.7	1.4	2.0
Still Gas	4.4	5.6	4.4	4.5	4.0	4.3	4.4	4.7	5.2	4.3	3.3	4.2	4.8	4.1	5.1	4.7
Miscellaneous Products	.8	1.7	.8	.3	.4	.2	.3	.0	.7	.7	.0	0	.6	.4	.2	.5
Processing Gain(-) or Loss(+)[4]	–4.6	–2.3	–4.5	–4.6	–7.1	–1.7	–4.2	–2.5	–5.8	–5.4	–1.5	–3.3	–5.3	–2.1	–5.3	–4.9

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**29,380**	**22,386**	**77,697**	**2,225**	**4,255**	**135,943**	**4,385**
Natural Gas Liquids	**2,067**	**2,638**	**422**	**632**	**537**	**6,296**	**203**
Pentanes Plus	431	31	0	157	0	619	20
Liquefied Petroleum Gases	1,636	2,607	422	475	537	5,677	183
Ethane	35	0	91	0	0	125	4
Propane	964	1,219	0	225	36	2,444	79
Normal Butane	382	833	199	150	301	1,865	60
Isobutane	255	555	133	100	201	1,243	40
Other Liquids [1]	**6,041**	**0**	**2,010**	**0**	**340**	**8,391**	**271**
Unfinished Oils [1]	3,973	0	1,909	0	1	5,883	190
Naphthas and Lighter	3	0	1,094	0	1	1,098	35
Kerosene and Light Gas Oils	510	0	0	0	0	510	16
Heavy Gas Oils	3,460	0	541	0	0	4,001	129
Residuum	0	0	274	0	0	274	9
Motor Gasoline Blending Components	2,068	0	101	0	339	2,508	81
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**40,755**	**957**	**3,569**	**119**	**917**	**46,317**	**1,494**
Finished Motor Gasoline	10,834	285	626	42	386	12,173	393
Finished Leaded Motor Gasoline	934	4	0	18	185	1,141	37
Finished Unleaded Motor Gasoline	9,900	281	626	24	201	11,032	356
Finished Aviation Gasoline	0	0	24	0	0	24	1
Naphtha-Type Jet Fuel	96	77	0	0	0	173	6
Kerosene-Type Jet Fuel	1,148	0	0	0	0	1,148	37
Bonded Aircraft Fuel	731	0	0	0	0	731	24
Other	417	0	0	0	0	417	13
Kerosene	567	0	458	0	0	1,025	33
Distillate Fuel Oil	6,196	357	200	74	61	6,888	222
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,196	357	200	74	61	6,888	222
Residual Fuel Oil	20,705	80	838	1	104	21,728	701
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	20,705	80	838	1	104	21,728	701
Naphtha < 400 Deg. for Petro. Feed. Use	156	33	1,187	0	72	1,448	47
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	22	106	224	0	14	366	12
Lubricants	322	10	0	0	63	395	13
Waxes	36	6	2	2	0	46	1
Petroleum Coke	0	0	0	0	17	17	1
Asphalt and Road Oil	609	0	10	0	200	819	26
Miscellaneous Products	64	3	0	0	0	67	2
Total Imports	**78,244**	**25,981**	**83,698**	**2,976**	**6,049**	**196,948**	**6,353**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, February 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**27,188**	**17,166**	**55,631**	**2,139**	**6,136**	**108,260**	**3,866**
Natural Gas Liquids	**1,776**	**2,376**	**800**	**564**	**509**	**6,024**	**215**
Pentanes Plus	217	31	0	140	0	388	14
Liquefied Petroleum Gases	1,559	2,345	800	424	509	5,636	201
Ethane	16	93	30	0	1	140	5
Propane	774	1,295	8	173	63	2,314	83
Normal Butane	461	574	457	151	266	1,910	68
Isobutane	308	383	305	101	178	1,273	45
Other Liquids [1]	**4,540**	**50**	**5,454**	**0**	**411**	**10,455**	**373**
Unfinished Oils [1]	3,113	0	5,333	0	251	8,697	311
Naphthas and Lighter	2	0	1,173	0	251	1,426	51
Kerosene and Light Gas Oils	502	0	0	0	0	502	18
Heavy Gas Oils	1,833	0	614	0	0	2,447	87
Residuum	776	0	3,546	0	0	4,322	154
Motor Gasoline Blending Components	1,427	50	121	0	160	1,758	63
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**34,849**	**547**	**5,466**	**63**	**1,900**	**42,825**	**1,529**
Finished Motor Gasoline	7,064	110	710	31	733	8,648	309
Finished Leaded Motor Gasoline	408	6	0	6	14	434	16
Finished Unleaded Motor Gasoline	6,656	104	710	25	719	8,214	293
Finished Aviation Gasoline	0	0	0	0	40	40	1
Naphtha-Type Jet Fuel	0	80	0	0	0	80	3
Kerosene-Type Jet Fuel	1,785	0	0	0	5	1,790	64
Bonded Aircraft Fuel	629	0	0	0	0	629	22
Other	1,156	0	0	0	5	1,161	41
Kerosene	495	0	525	0	0	1,020	36
Distillate Fuel Oil	6,644	195	189	31	25	7,084	253
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,644	195	189	31	25	7,084	253
Residual Fuel Oil	17,592	23	841	1	249	18,706	668
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	17,592	23	841	1	249	18,706	668
Naphtha < 400 Deg. for Petro. Feed. Use	156	66	1,473	0	360	2,055	73
Other Oils > 400 Deg. for Petro. Feed. Use	289	0	758	0	353	1,400	50
Special Naphthas	3	35	722	0	8	768	27
Lubricants	253	13	138	0	39	443	16
Waxes	35	22	9	0	1	67	2
Petroleum Coke	0	0	30	0	11	41	1
Asphalt and Road Oil	532	0	71	0	74	677	24
Miscellaneous Products	1	3	0	0	2	6	(s)
Total Imports	**68,353**	**20,139**	**67,351**	**2,766**	**8,956**	**167,565**	**5,984**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, March 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**33,281**	**18,057**	**56,907**	**1,666**	**7,249**	**117,160**	**3,779**
Natural Gas Liquids	**1,695**	**1,717**	**322**	**476**	**270**	**4,480**	**145**
Pentanes Plus	269	40	0	93	0	402	13
Liquefied Petroleum Gases	1,426	1,677	322	383	270	4,078	132
Ethane	21	1	0	0	1	23	1
Propane	816	827	0	139	45	1,827	59
Normal Butane	353	509	193	147	134	1,337	43
Isobutane	236	340	129	98	90	891	29
Other Liquids [1]	**6,124**	**0**	**5,537**	**0**	**843**	**12,504**	**403**
Unfinished Oils [1]	5,288	0	5,010	0	499	10,797	348
Naphthas and Lighter	298	0	868	0	0	1,166	38
Kerosene and Light Gas Oils	381	0	0	0	0	381	12
Heavy Gas Oils	3,949	0	1,012	0	499	5,460	176
Residuum	660	0	3,130	0	0	3,790	122
Motor Gasoline Blending Components	836	0	527	0	344	1,707	55
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**37,673**	**1,095**	**4,956**	**109**	**1,634**	**45,468**	**1,467**
Finished Motor Gasoline	9,970	298	530	49	440	11,287	364
Finished Leaded Motor Gasoline	987	3	0	6	82	1,078	35
Finished Unleaded Motor Gasoline	8,983	295	530	43	358	10,209	329
Finished Aviation Gasoline	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	99	75	0	0	4	178	6
Kerosene-Type Jet Fuel	2,052	218	0	0	115	2,386	77
Bonded Aircraft Fuel	927	218	0	0	112	1,258	41
Other	1,125	0	0	0	3	1,128	36
Kerosene	293	0	0	0	0	293	9
Distillate Fuel Oil	8,050	199	881	58	15	9,203	297
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	8,050	199	881	58	15	9,203	297
Residual Fuel Oil	16,005	70	916	2	334	17,327	559
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	16,005	70	916	2	334	17,327	559
Naphtha < 400 Deg. for Petro. Feed. Use	151	151	2,153	0	88	2,543	82
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	235	235	8
Special Naphthas	78	45	459	0	23	605	20
Lubricants	269	22	5	0	89	385	12
Waxes	41	9	5	0	7	62	2
Petroleum Coke	27	0	0	0	19	46	1
Asphalt and Road Oil	635	0	7	0	265	907	29
Miscellaneous Products	3	8	0	0	0	11	(s)
Total Imports	**78,774**	**20,869**	**67,722**	**2,251**	**9,996**	**179,612**	**5,794**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, April 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**34,272**	**23,361**	**57,555**	**1,914**	**6,862**	**123,964**	**4,132**
Natural Gas Liquids	**1,147**	**2,222**	**860**	**515**	**358**	**5,102**	**170**
Pentanes Plus	209	35	252	130	0	626	21
Liquefied Petroleum Gases	938	2,187	608	385	358	4,476	149
Ethane	8	72	86	0	1	167	6
Propane	343	1,285	0	166	28	1,822	61
Normal Butane	352	498	313	131	198	1,492	50
Isobutane	234	332	209	88	132	995	33
Other Liquids [1]	**5,608**	**0**	**4,327**	**0**	**323**	**10,258**	**342**
Unfinished Oils [1]	5,021	0	4,327	0	0	9,348	312
Naphthas and Lighter	3	0	1,330	0	0	1,333	44
Kerosene and Light Gas Oils	538	0	0	0	0	538	18
Heavy Gas Oils	3,149	0	275	0	0	3,424	114
Residuum	1,331	0	2,722	0	0	4,053	135
Motor Gasoline Blending Components	587	0	0	0	323	910	30
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**31,749**	**441**	**4,021**	**137**	**1,663**	**38,011**	**1,267**
Finished Motor Gasoline	9,700	105	516	54	838	11,213	374
Finished Leaded Motor Gasoline	277	1	0	19	52	349	12
Finished Unleaded Motor Gasoline	9,423	104	516	35	786	10,864	362
Finished Aviation Gasoline	0	0	0	0	4	4	(s)
Naphtha-Type Jet Fuel	0	63	0	0	13	76	3
Kerosene-Type Jet Fuel	1,716	0	0	0	156	1,872	62
Bonded Aircraft Fuel	1,024	0	0	0	0	1,024	34
Other	692	0	0	0	156	848	28
Kerosene	98	0	160	0	0	258	9
Distillate Fuel Oil	5,166	164	296	83	36	5,745	192
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	5,166	164	296	83	36	5,745	192
Residual Fuel Oil	13,478	33	353	0	409	14,273	476
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	13,478	33	353	0	409	14,273	476
Naphtha < 400 Deg. for Petro. Feed. Use	199	17	1,641	0	0	1,857	62
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	513	0	0	513	17
Special Naphthas	164	35	410	0	8	617	21
Lubricants	310	18	69	0	18	415	14
Waxes	20	3	0	0	4	27	1
Petroleum Coke	0	0	34	0	23	57	2
Asphalt and Road Oil	896	0	10	0	154	1,060	35
Miscellaneous Products	2	3	19	0	0	24	1
Total Imports	**72,776**	**26,024**	**66,763**	**2,566**	**9,206**	**177,335**	**5,911**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**37,252**	**24,399**	**63,709**	**2,183**	**7,006**	**134,549**	**4,340**
Natural Gas Liquids	**812**	**1,586**	**1,594**	**331**	**224**	**4,547**	**147**
Pentanes Plus	0	31	0	99	0	130	4
Liquefied Petroleum Gases	812	1,555	1,594	232	224	4,417	142
Ethane	10	0	183	0	1	194	6
Propane	615	823	524	96	17	2,075	67
Normal Butane	112	439	532	82	124	1,289	42
Isobutane	75	293	355	55	83	859	28
Other Liquids [1]	**2,321**	**0**	**6,737**	**0**	**671**	**9,729**	**314**
Unfinished Oils [1]	2,031	0	6,460	0	254	8,745	282
Naphthas and Lighter	623	0	1,037	0	254	1,914	62
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	271	0	2,389	0	0	2,660	86
Residuum	1,137	0	3,034	0	0	4,171	135
Motor Gasoline Blending Components	290	0	277	0	417	984	32
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**32,270**	**810**	**4,820**	**167**	**1,360**	**39,427**	**1,272**
Finished Motor Gasoline	10,009	136	408	61	356	10,970	354
Finished Leaded Motor Gasoline	443	1	0	20	225	689	22
Finished Unleaded Motor Gasoline	9,566	135	408	41	131	10,281	332
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	69	0	0	3	72	2
Kerosene-Type Jet Fuel	1,523	0	0	0	479	2,002	65
Bonded Aircraft Fuel	952	0	0	0	479	1,431	46
Other	571	0	0	0	0	571	18
Kerosene	81	0	0	0	0	81	3
Distillate Fuel Oil	5,566	443	118	105	56	6,288	203
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	5,566	443	118	105	56	6,288	203
Residual Fuel Oil	13,767	36	1,759	1	79	15,642	505
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	13,767	36	1,759	1	79	15,642	505
Naphtha < 400 Deg. for Petro. Feed. Use	173	31	1,755	0	36	1,995	64
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	54	67	750	0	9	880	28
Lubricants	257	11	1	0	24	293	9
Waxes	16	11	5	0	8	40	1
Petroleum Coke	0	0	0	0	0	0	0
Asphalt and Road Oil	781	4	20	0	308	1,113	36
Miscellaneous Products	43	2	4	0	0	49	2
Total Imports	**72,655**	**26,795**	**76,860**	**2,681**	**9,261**	**188,251**	**6,073**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, June 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**29,371**	**35,189**	**72,958**	**1,632**	**5,047**	**144,197**	**4,807**
Natural Gas Liquids	**663**	**1,686**	**1,017**	**383**	**195**	**3,943**	**131**
Pentanes Plus	223	36	0	106	0	365	12
Liquefied Petroleum Gases	440	1,650	1,017	277	195	3,578	119
Ethane	10	44	89	0	(s)	143	5
Propane	226	811	178	111	26	1,353	45
Normal Butane	122	477	450	99	101	1,249	42
Isobutane	81	318	300	66	67	833	28
Other Liquids [1]	**2,715**	**146**	**10,629**	**0**	**231**	**13,721**	**457**
Unfinished Oils [1]	2,131	146	10,629	0	0	12,906	430
Naphthas and Lighter	3	112	2,165	0	0	2,280	76
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	1,791	0	3,392	0	0	5,183	173
Residuum	337	34	5,072	0	0	5,443	181
Motor Gasoline Blending Components	584	0	0	0	231	815	27
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**34,561**	**1,307**	**3,820**	**125**	**1,388**	**41,201**	**1,373**
Finished Motor Gasoline	10,052	64	579	65	779	11,539	385
Finished Leaded Motor Gasoline	742	4	0	24	339	1,109	37
Finished Unleaded Motor Gasoline	9,310	60	579	41	440	10,430	348
Finished Aviation Gasoline	0	0	0	0	5	5	(s)
Naphtha-Type Jet Fuel	0	55	0	0	0	55	2
Kerosene-Type Jet Fuel	1,418	382	0	0	115	1,915	64
Bonded Aircraft Fuel	792	382	0	0	0	1,174	39
Other	626	0	0	0	115	741	25
Kerosene	132	0	0	0	0	132	4
Distillate Fuel Oil	7,315	456	0	59	133	7,963	265
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	7,315	456	0	59	133	7,963	265
Residual Fuel Oil	13,984	166	217	1	59	14,427	481
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	13,984	166	217	1	59	14,427	481
Naphtha < 400 Deg. for Petro. Feed. Use	143	79	1,179	0	72	1,473	49
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	783	0	0	783	26
Special Naphthas	12	58	781	0	15	866	29
Lubricants	365	15	94	0	50	524	17
Waxes	20	9	13	0	6	48	2
Petroleum Coke	27	0	0	0	10	37	1
Asphalt and Road Oil	1,033	17	163	0	144	1,357	45
Miscellaneous Products	60	6	11	0	0	77	3
Total Imports	**67,310**	**38,328**	**88,424**	**2,140**	**6,861**	**203,061**	**6,769**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**36,819**	**32,841**	**87,116**	**2,338**	**5,017**	**164,131**	**5,295**
Natural Gas Liquids	**1,116**	**1,769**	**2,884**	**343**	**124**	**6,236**	**201**
Pentanes Plus	240	35	0	72	0	347	11
Liquefied Petroleum Gases	876	1,734	2,884	271	124	5,889	190
Ethane	3	11	0	0	(s)	15	(s)
Propane	690	893	934	101	22	2,639	85
Normal Butane	109	498	1,172	102	61	1,942	63
Isobutane	73	332	778	68	41	1,292	42
Other Liquids [1]	**3,062**	**0**	**6,376**	**0**	**314**	**9,752**	**315**
Unfinished Oils [1]	1,721	0	6,064	0	1	7,786	251
Naphthas and Lighter	2	0	1,297	0	1	1,300	42
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	696	0	1,027	0	0	1,723	56
Residuum	1,023	0	3,740	0	0	4,763	154
Motor Gasoline Blending Components	1,341	0	312	0	313	1,966	63
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**47,885**	**950**	**3,972**	**137**	**2,156**	**55,100**	**1,777**
Finished Motor Gasoline	12,959	115	116	75	746	14,011	452
Finished Leaded Motor Gasoline	1,872	10	0	27	240	2,149	69
Finished Unleaded Motor Gasoline	11,087	105	116	48	506	11,862	383
Finished Aviation Gasoline	0	0	13	0	5	18	1
Naphtha-Type Jet Fuel	0	83	0	0	5	88	3
Kerosene-Type Jet Fuel	1,424	0	32	0	712	2,168	70
Bonded Aircraft Fuel	906	0	0	0	523	1,429	46
Other	518	0	32	0	189	739	24
Kerosene	357	0	0	0	0	357	12
Distillate Fuel Oil	10,640	382	625	59	94	11,800	381
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	10,640	382	625	59	94	11,800	381
Residual Fuel Oil	20,570	276	1,249	3	243	22,341	721
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	20,570	276	1,249	3	243	22,341	721
Naphtha < 400 Deg. for Petro. Feed. Use	111	10	1,698	0	0	1,819	59
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	14	43	125	0	16	198	6
Lubricants	611	7	65	0	24	707	23
Waxes	23	10	0	0	6	39	1
Petroleum Coke	0	0	0	0	23	23	1
Asphalt and Road Oil	1,125	20	45	0	282	1,472	47
Miscellaneous Products	51	4	4	0	0	59	2
Total Imports	**88,882**	**35,560**	**100,348**	**2,818**	**7,610**	**235,219**	**7,588**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, August 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**41,134**	**31,967**	**89,995**	**2,078**	**5,628**	**170,802**	**5,510**
Natural Gas Liquids	**743**	**1,961**	**3,077**	**249**	**148**	**6,178**	**199**
Pentanes Plus	18	33	0	0	0	51	2
Liquefied Petroleum Gases	725	1,928	3,077	249	148	6,127	198
Ethane	8	9	0	1	2	20	1
Propane	356	1,397	612	124	37	2,527	82
Normal Butane	217	313	1,479	74	65	2,148	69
Isobutane	144	209	986	50	43	1,432	46
Other Liquids [1]	**4,125**	**20**	**6,292**	**0**	**1,061**	**11,498**	**371**
Unfinished Oils [1]	1,997	20	6,065	0	366	8,448	273
Naphthas and Lighter	2	0	2,143	0	0	2,145	69
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	1,995	0	1,476	0	366	3,837	124
Residuum	0	20	2,446	0	0	2,466	80
Motor Gasoline Blending Components	2,128	0	227	0	695	3,050	98
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**35,112**	**924**	**5,039**	**160**	**1,353**	**42,588**	**1,374**
Finished Motor Gasoline	10,300	76	1,645	64	184	12,269	396
Finished Leaded Motor Gasoline	653	10	0	27	6	696	22
Finished Unleaded Motor Gasoline	9,647	66	1,645	37	178	11,573	373
Finished Aviation Gasoline	0	0	0	0	4	4	(s)
Naphtha-Type Jet Fuel	0	79	0	0	6	85	3
Kerosene-Type Jet Fuel	1,249	69	55	0	224	1,597	52
Bonded Aircraft Fuel	789	69	0	0	218	1,076	35
Other	460	0	55	0	6	521	17
Kerosene	313	0	232	0	0	545	18
Distillate Fuel Oil	6,176	333	0	95	278	6,882	222
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,176	333	0	95	278	6,882	222
Residual Fuel Oil	14,716	274	489	1	401	15,881	512
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	14,716	274	489	1	401	15,881	512
Naphtha < 400 Deg. for Petro. Feed. Use	449	10	1,618	0	0	2,077	67
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	122	40	933	0	7	1,102	36
Lubricants	312	11	14	0	68	405	13
Waxes	34	13	2	0	2	51	2
Petroleum Coke	0	0	2	0	21	23	1
Asphalt and Road Oil	1,388	16	49	0	158	1,611	52
Miscellaneous Products	53	3	0	0	0	56	2
Total Imports	**81,114**	**34,873**	**104,403**	**2,487**	**8,190**	**231,066**	**7,454**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, September 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**32,653**	**30,152**	**81,243**	**2,014**	**7,250**	**153,312**	**5,110**
Natural Gas Liquids	**724**	**2,809**	**4,685**	**298**	**148**	**8,664**	**289**
Pentanes Plus	7	23	0	0	0	30	1
Liquefied Petroleum Gases	717	2,786	4,685	298	148	8,634	288
Ethane	(s)	0	0	0	3	3	(s)
Propane	541	1,931	1,676	155	27	4,331	144
Normal Butane	105	513	1,809	86	71	2,584	86
Isobutane	70	342	1,200	58	47	1,717	57
Other Liquids [1]	**3,035**	**5**	**5,616**	**0**	**902**	**9,558**	**319**
Unfinished Oils [1]	2,674	5	5,500	0	0	8,179	273
Naphthas and Lighter	730	0	1,369	0	0	2,099	70
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	1,582	0	1,330	0	0	2,912	97
Residuum	362	5	2,801	0	0	3,168	106
Motor Gasoline Blending Components	361	0	116	0	902	1,379	46
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**35,569**	**592**	**4,829**	**119**	**2,694**	**43,804**	**1,460**
Finished Motor Gasoline	11,052	38	502	50	994	12,636	421
Finished Leaded Motor Gasoline	1,131	2	148	15	234	1,530	51
Finished Unleaded Motor Gasoline	9,921	36	354	35	760	11,106	370
Finished Aviation Gasoline	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	62	0	0	0	62	2
Kerosene-Type Jet Fuel	1,534	72	78	0	753	2,438	81
Bonded Aircraft Fuel	974	72	78	0	389	1,514	50
Other	560	0	0	0	364	924	31
Kerosene	162	0	241	0	0	403	13
Distillate Fuel Oil	5,990	217	0	69	370	6,646	222
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	5,990	217	0	69	370	6,646	222
Residual Fuel Oil	14,750	85	630	0	327	15,792	526
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	14,750	85	630	0	327	15,792	526
Naphtha < 400 Deg. for Petro. Feed. Use	105	11	2,374	0	72	2,562	85
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	96	47	816	0	7	966	32
Lubricants	327	12	134	0	9	482	16
Waxes	14	27	0	0	4	45	2
Petroleum Coke	0	0	29	0	14	43	1
Asphalt and Road Oil	1,463	15	21	0	144	1,643	55
Miscellaneous Products	76	6	4	0	0	86	3
Total Imports	**71,982**	**33,559**	**96,373**	**2,431**	**10,994**	**215,339**	**7,178**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, October 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**34,278**	**29,209**	**87,779**	**2,152**	**5,972**	**159,390**	**5,142**
Natural Gas Liquids	**899**	**3,704**	**2,092**	**502**	**276**	**7,473**	**241**
Pentanes Plus	217	33	0	0	0	250	8
Liquefied Petroleum Gases	682	3,671	2,092	502	276	7,223	233
Ethane	(s)	1	0	(s)	4	6	(s)
Propane	366	2,672	864	245	74	4,222	136
Normal Butane	189	598	739	154	119	1,799	58
Isobutane	126	399	490	103	79	1,196	39
Other Liquids [1]	**6,136**	**36**	**5,355**	**0**	**1,295**	**12,822**	**414**
Unfinished Oils [1]	4,386	36	5,116	0	262	9,800	316
Naphthas and Lighter	371	0	1,250	0	0	1,621	52
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,094	0	1,242	0	262	4,598	148
Residuum	921	36	2,624	0	0	3,581	116
Motor Gasoline Blending Components	1,750	0	239	0	1,033	3,022	97
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**30,492**	**1,424**	**4,643**	**117**	**2,732**	**39,408**	**1,271**
Finished Motor Gasoline	9,427	73	0	45	1,492	11,037	356
Finished Leaded Motor Gasoline	493	7	0	4	303	807	26
Finished Unleaded Motor Gasoline	8,934	66	0	41	1,189	10,230	330
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	117	0	0	0	117	4
Kerosene-Type Jet Fuel	844	780	168	0	652	2,444	79
Bonded Aircraft Fuel	759	780	0	0	398	1,937	62
Other	85	0	168	0	254	507	16
Kerosene	237	0	707	0	0	944	30
Distillate Fuel Oil	6,912	277	0	72	87	7,348	237
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,912	277	0	72	87	7,348	237
Residual Fuel Oil	11,746	88	909	0	98	12,841	414
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	11,746	88	909	0	98	12,841	414
Naphtha < 400 Deg. for Petro. Feed. Use	151	13	2,634	0	22	2,820	91
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	49	46	169	0	6	270	9
Lubricants	251	6	24	0	101	382	12
Waxes	46	11	0	0	2	59	2
Petroleum Coke	0	0	6	0	29	35	1
Asphalt and Road Oil	776	7	17	0	241	1,041	34
Miscellaneous Products	53	6	9	0	0	68	2
Total Imports	**71,805**	**34,373**	**99,869**	**2,771**	**10,275**	**219,093**	**7,068**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1,2]	**33,272**	**25,808**	**85,252**	**1,639**	**4,418**	**150,389**	**5,013**
Natural Gas Liquids	**2,135**	**3,205**	**1,244**	**466**	**249**	**7,299**	**243**
Pentanes Plus	269	34	0	13	0	316	11
Liquefied Petroleum Gases	1,866	3,171	1,244	453	249	6,983	233
Ethane	1	1	0	(s)	8	10	(s)
Propane	1,360	1,657	368	244	31	3,660	122
Normal Butane	302	908	526	126	126	1,988	66
Isobutane	202	605	350	84	84	1,325	44
Other Liquids [1]	**5,224**	**0**	**4,821**	**0**	**193**	**10,238**	**341**
Unfinished Oils [1]	3,973	0	4,337	0	0	8,310	277
Naphthas and Lighter	226	0	1,063	0	0	1,289	43
Kerosene and Light Gas Oils	336	0	0	0	0	336	11
Heavy Gas Oils	3,090	0	974	0	0	4,064	135
Residuum	321	0	2,300	0	0	2,621	87
Motor Gasoline Blending Components	1,251	0	484	0	193	1,928	64
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**37,873**	**676**	**3,888**	**98**	**1,570**	**44,106**	**1,470**
Finished Motor Gasoline	13,479	57	119	37	824	14,516	484
Finished Leaded Motor Gasoline	1,660	1	0	2	593	2,256	75
Finished Unleaded Motor Gasoline	11,819	56	119	35	231	12,260	409
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	107	0	0	3	110	4
Kerosene-Type Jet Fuel	1,272	150	109	0	7	1,539	51
Bonded Aircraft Fuel	964	150	109	0	0	1,224	41
Other	308	0	0	0	7	315	11
Kerosene	364	0	0	0	0	364	12
Distillate Fuel Oil	5,260	239	0	61	64	5,624	187
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	5,260	239	0	61	64	5,624	187
Residual Fuel Oil	16,262	51	302	0	410	17,025	568
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	16,262	51	302	0	410	17,025	568
Naphtha < 400 Deg. for Petro. Feed. Use	91	9	2,706	0	73	2,879	96
Other Oils > 400 Deg. for Petro. Feed Use	0	0	0	0	0	0	0
Special Naphthas	4	31	398	0	3	436	15
Lubricants	214	9	174	0	15	412	14
Waxes	14	14	0	0	3	31	1
Petroleum Coke	22	0	0	0	30	52	2
Asphalt and Road Oil	856	3	49	0	136	1,044	35
Miscellaneous Products	35	6	31	0	0	72	2
Total Imports	**78,504**	**29,689**	**95,205**	**2,203**	**6,430**	**212,031**	**7,068**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, December 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**36,696**	**26,849**	**71,612**	**1,583**	**7,085**	**143,825**	**4,640**
Natural Gas Liquids	**2,161**	**2,847**	**631**	**612**	**796**	**7,047**	**227**
Pentanes Plus	372	35	1	19	0	427	14
Liquefied Petroleum Gases	1,789	2,812	630	593	796	6,620	214
Ethane	66	(s)	0	(s)	12	79	3
Propane	986	1,503	(s)	319	26	2,834	91
Normal Butane	442	786	378	164	454	2,224	72
Isobutane	295	524	252	110	303	1,483	48
Other Liquids [1]	**6,915**	**0**	**5,207**	**0**	**295**	**12,417**	**401**
Unfinished Oils [1]	5,206	0	5,193	0	0	10,399	335
Naphthas and Lighter	530	0	1,160	0	0	1,690	55
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,670	0	487	0	0	4,157	134
Residuum	1,006	0	3,546	0	0	4,552	147
Motor Gasoline Blending Components	1,709	0	14	0	295	2,018	65
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**42,024**	**489**	**4,786**	**78**	**1,173**	**48,550**	**1,566**
Finished Motor Gasoline	9,263	63	0	39	540	9,905	320
Finished Leaded Motor Gasoline	823	3	0	12	14	852	27
Finished Unleaded Motor Gasoline	8,440	60	0	27	526	9,053	292
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	76	0	0	0	76	2
Kerosene-Type Jet Fuel	1,663	0	119	0	245	2,027	65
Bonded Aircraft Fuel	1,008	0	119	0	232	1,359	44
Other	655	0	0	0	13	668	22
Kerosene	438	0	474	0	0	912	29
Distillate Fuel Oil	10,907	132	546	38	82	11,705	378
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	10,907	132	546	38	82	11,705	378
Residual Fuel Oil	18,762	134	1,199	0	60	20,155	650
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	18,762	134	1,199	0	60	20,155	650
Naphtha < 400 Deg. for Petro. Feed. Use	148	12	2,230	0	36	2,426	78
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	0	0	0	0	0
Special Naphthas	6	50	178	0	6	240	8
Lubricants	334	9	0	0	68	411	13
Waxes	15	10	0	1	2	28	1
Petroleum Coke	0	0	25	0	42	67	2
Asphalt and Road Oil	427	0	10	0	90	527	17
Miscellaneous Products	61	3	5	0	0	69	2
Total Imports	**87,796**	**30,185**	**82,236**	**2,273**	**9,348**	**211,838**	**6,833**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,735	456	0	0	0	0	0	0	1,210	0	432	2,098	4,833	156
Iraq	2,927	0	0	0	0	0	0	0	0	0	0	0	2,927	94
Kuwait	1,340	0	0	0	0	0	0	0	0	0	0	0	1,340	43
Saudi Arabia	25,643	0	762	0	554	176	0	0	0	0	0	1,492	27,135	875
United Arab Emirates	384	79	0	0	0	0	0	0	0	0	0	79	463	15
Subtotal Arab OPEC	33,029	535	762	0	554	176	0	0	1,210	0	432	3,670	36,699	1,184
Other OPEC														
Ecuador	2,204	0	0	0	0	0	0	0	292	0	0	292	2,496	81
Indonesia	6,902	0	0	0	0	0	0	0	974	0	0	974	7,876	254
Nigeria	10,732	0	0	0	0	0	0	0	0	0	0	0	10,732	346
Venezuela	16,441	281	749	220	2,258	503	0	2,573	4,118	0	733	11,435	27,876	899
Subtotal Other OPEC	36,279	281	749	220	2,258	503	0	2,573	5,384	0	733	12,701	48,980	1,580
Other														
Angola	2,344	0	0	0	0	0	0	0	417	0	0	417	2,761	89
Argentina	0	259	0	0	0	0	0	0	486	53	0	798	798	26
Australia	3,352	96	50	0	0	0	0	0	247	0	87	480	3,832	124
Bahama Islands	0	0	0	0	0	65	0	17	1,752	0	0	1,834	1,834	59
Belgium	0	0	0	0	513	0	0	0	488	5	0	1,006	1,006	32
Brazil	0	0	0	0	1,369	0	0	0	296	0	0	1,665	1,665	54
Cameroon	1,609	0	0	0	0	0	0	0	361	0	0	361	1,970	64
Canada	17,424	3,976	25	0	932	173	97	1,239	448	122	333	7,345	24,769	799
China, People's Republic	2,653	0	0	339	163	0	0	0	0	0	0	502	3,155	102
Colombia	3,569	0	0	0	0	0	0	184	1,417	0	272	1,873	5,442	176
Congo	0	0	0	0	0	0	0	0	167	0	0	167	167	5
Egypt	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
France	0	(s)	300	0	0	0	0	0	0	54	0	354	354	11
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	15	16	16	1
Greece	0	0	0	0	636	0	0	0	452	0	0	1,088	1,088	35
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
Israel	0	0	0	0	0	0	0	0	0	3	0	3	3	(s)
Italy	0	(s)	515	0	1,359	0	0	0	0	0	0	1,874	1,874	60
Japan	0	(s)	0	43	0	0	0	0	0	0	73	116	116	4
Korea, Republic	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Malaysia	658	0	0	0	0	0	0	0	0	0	0	0	658	21
Mexico	19,234	331	0	58	0	139	0	240	833	0	517	2,118	21,352	689
Netherlands Antilles	0	0	0	0	262	0	0	0	649	0	0	911	911	29
Netherlands	0	1	0	113	2,019	0	0	319	323	96	68	2,939	2,939	95
Norway	2,227	105	0	0	0	0	0	0	0	0	0	105	2,332	75
Peru	0	0	0	0	0	0	0	0	1,351	0	0	1,351	1,351	44
Puerto Rico	0	0	156	0	0	0	0	0	0	0	862	1,018	1,018	33
Romania	0	0	510	670	0	0	0	252	0	0	0	1,432	1,432	46
Singapore	0	0	165	0	0	0	0	0	482	0	0	647	647	21
South Africa	0	0	0	0	0	0	0	0	0	0	13	13	13	(s)
Spain	0	0	489	604	260	0	0	0	0	0	0	1,353	1,353	44
Sweden	0	0	0	0	0	0	0	0	0	0	27	27	27	1
Trinidad and Tobago	2,458	0	0	0	0	0	0	0	629	0	0	629	3,087	100
Turkey	0	0	0	204	0	0	0	0	0	0	0	204	204	7

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
United Kingdom	10,485	92	0	0	1,167	0	0	0	160	0	1	1,420	11,905	384
U.S.S.R.	0	0	0	0	0	6	0	403	0	33	0	442	442	14
Virgin Islands	0	0	2,162	257	681	259	928	1,661	4,176	0	0	10,124	10,124	327
Zaire	402	0	0	0	0	0	0	0	0	0	0	0	402	13
Subtotal Other	66,635	4,861	4,372	2,288	9,361	642	1,025	4,315	15,134	366	2,270	44,634	111,269	3,589
Total Imports	**135,943**	**5,677**	**5,883**	**2,508**	**12,173**	**1,321**	**1,025**	**6,888**	**21,728**	**366**	**3,435**	**61,005**	**196,948**	**6,353**
	PAD District I													
Arab OPEC														
Algeria	481	456	0	0	0	0	0	0	1,210	0	0	1,666	2,147	69
Saudi Arabia	3,594	0	488	0	419	176	0	0	0	0	0	1,083	4,677	151
Subtotal Arab OPEC	4,075	456	488	0	419	176	0	0	1,210	0	0	2,749	6,824	220
Other OPEC														
Ecuador	703	0	0	0	0	0	0	0	292	0	0	292	995	32
Indonesia	1,117	0	0	0	0	0	0	0	974	0	0	974	2,091	67
Nigeria	4,414	0	0	0	0	0	0	0	0	0	0	0	4,414	142
Venezuela	2,702	191	0	220	1,767	503	0	2,373	4,118	0	608	9,779	12,481	403
Subtotal Other OPEC	8,936	191	0	220	1,767	503	0	2,373	5,384	0	608	11,045	19,981	645
Other														
Angola	1,608	0	0	0	0	0	0	0	417	0	0	417	2,025	65
Argentina	0	259	0	0	0	0	0	0	486	12	0	757	757	24
Australia	910	0	0	0	0	0	0	0	0	0	87	87	997	32
Bahama Islands	0	0	0	0	0	65	0	17	1,752	0	0	1,834	1,834	59
Belgium	0	0	0	0	513	0	0	0	488	0	0	1,001	1,001	32
Brazil	0	0	0	0	1,369	0	0	0	296	0	0	1,665	1,665	54
Cameroon	842	0	0	0	0	0	0	0	361	0	0	361	1,203	39
Canada	1,574	532	3	0	511	96	97	747	367	10	44	2,407	3,981	128
China, People's Republic	730	0	0	0	0	0	0	0	0	0	0	0	730	24
Colombia	0	0	0	0	0	0	0	184	1,417	0	0	1,601	1,601	52
Congo	0	0	0	0	0	0	0	0	167	0	0	167	167	5
Egypt	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
France	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	15	16	16	1
Greece	0	0	0	0	636	0	0	0	452	0	0	1,088	1,088	35
Italy	0	(s)	0	0	1,359	0	0	0	0	0	0	1,359	1,359	44
Japan	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Mexico	2,221	0	0	0	0	139	0	240	242	0	431	1,052	3,273	106
Netherlands Antilles	0	0	0	0	262	0	0	0	649	0	0	911	911	29
Netherlands	0	1	0	113	1,890	0	0	319	323	0	29	2,675	2,675	86
Norway	2,227	105	0	0	0	0	0	0	0	0	0	105	2,332	75
Peru	0	0	0	0	0	0	0	0	1,351	0	0	1,351	1,351	44
Puerto Rico	0	0	156	0	0	0	0	0	0	0	388	544	544	18
Romania	0	0	510	670	0	0	0	252	0	0	0	1,432	1,432	46
Singapore	0	0	165	0	0	0	0	0	378	0	0	543	543	18

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
South Africa	0	0	0	0	0	0	0	0	0	0	13	13	13	(s)
Spain	0	0	489	604	260	0	0	0	0	0	0	1,353	1,353	44
Trinidad and Tobago	444	0	0	0	0	0	0	0	629	0	0	629	1,073	35
Turkey	0	0	0	204	0	0	0	0	0	0	0	204	204	7
United Kingdom	5,411	92	0	0	1,167	0	0	0	160	0	0	1,419	6,830	220
U.S.S.R.	0	0	0	0	0	6	0	403	0	0	0	409	409	13
Virgin Islands	0	0	2,162	257	681	259	470	1,661	4,176	0	0	9,666	9,666	312
Zaire	402	0	0	0	0	0	0	0	0	0	0	0	402	13
Subtotal Other	16,369	990	3,485	1,848	8,648	565	567	3,823	14,111	22	1,010	35,069	51,438	1,659
Total Imports	**29,380**	**1,636**	**3,973**	**2,068**	**10,834**	**1,244**	**567**	**6,196**	**20,705**	**22**	**1,618**	**48,864**	**78,244**	**2,524**
PAD District II														
Arab OPEC														
Algeria	602	0	0	0	0	0	0	0	0	0	0	0	602	19
Iraq	1,122	0	0	0	0	0	0	0	0	0	0	0	1,122	36
Saudi Arabia	2,462	0	0	0	0	0	0	0	0	0	0	0	2,462	79
Subtotal Arab OPEC	4,186	0	0	0	0	0	0	0	0	0	0	0	4,186	135
Other OPEC														
Nigeria	2,183	0	0	0	0	0	0	0	0	0	0	0	2,183	70
Venezuela	533	0	0	0	0	0	0	0	0	0	0	0	533	17
Subtotal Other OPEC	2,716	0	0	0	0	0	0	0	0	0	0	0	2,716	88
Other														
Canada	13,085	2,607	0	0	285	77	0	357	80	106	83	3,595	16,680	538
Mexico	1,330	0	0	0	0	0	0	0	0	0	0	0	1,330	43
Trinidad and Tobago	474	0	0	0	0	0	0	0	0	0	0	0	474	15
United Kingdom	595	0	0	0	0	0	0	0	0	0	0	0	595	19
Subtotal Other	15,484	2,607	0	0	285	77	0	357	80	106	83	3,595	19,079	615
Total Imports	**22,386**	**2,607**	**0**	**0**	**285**	**77**	**0**	**357**	**80**	**106**	**83**	**3,595**	**25,981**	**838**
PAD District III														
Arab OPEC														
Algeria	1,652	0	0	0	0	0	0	0	0	0	432	432	2,084	67
Iraq	1,805	0	0	0	0	0	0	0	0	0	0	0	1,805	58
Kuwait	1,340	0	0	0	0	0	0	0	0	0	0	0	1,340	43
Saudi Arabia	19,587	0	274	0	135	0	0	0	0	0	0	409	19,996	645
United Arab Emirates	384	0	0	0	0	0	0	0	0	0	0	0	384	12
Subtotal Arab OPEC	24,768	0	274	0	135	0	0	0	0	0	432	841	25,609	826
Other OPEC														
Ecuador	1,501	0	0	0	0	0	0	0	0	0	0	0	1,501	48
Indonesia	3,409	0	0	0	0	0	0	0	0	0	0	0	3,409	110
Nigeria	4,135	0	0	0	0	0	0	0	0	0	0	0	4,135	133

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other OPEC														
Venezuela	13,206	91	749	0	491	0	0	200	0	0	9	1,540	14,746	476
Subtotal Other OPEC	22,251	91	749	0	491	0	0	200	0	0	9	1,540	23,791	767
Other														
Angola	736	0	0	0	0	0	0	0	0	0	0	0	736	24
Argentina	0	0	0	0	0	0	0	0	0	41	0	41	41	1
Australia	1,763	0	50	0	0	0	0	0	247	0	0	297	2,060	66
Cameroon	767	0	0	0	0	0	0	0	0	0	0	0	767	25
Canada	0	0	21	0	0	0	0	0	0	0	30	51	51	2
China, People's Republic	1,921	0	0	0	0	0	0	0	0	0	0	0	1,921	62
Colombia	3,569	0	0	0	0	0	0	0	0	0	272	272	3,841	124
France	0	0	300	0	0	0	0	0	0	54	0	354	354	11
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
Italy	0	0	515	0	0	0	0	0	0	0	0	515	515	17
Japan	0	0	0	43	0	0	0	0	0	0	0	43	43	1
Mexico	15,683	331	0	58	0	0	0	0	591	0	2	982	16,665	538
Netherlands	0	0	0	0	0	0	0	0	0	96	39	135	135	4
Puerto Rico	0	0	0	0	0	0	0	0	0	0	411	411	411	13
Sweden	0	0	0	0	0	0	0	0	0	0	27	27	27	1
Trinidad and Tobago	1,540	0	0	0	0	0	0	0	0	0	0	0	1,540	50
United Kingdom	4,479	0	0	0	0	0	0	0	0	0	1	1	4,480	145
U.S.S.R.	0	0	0	0	0	0	0	0	0	33	0	33	33	1
Virgin Islands	0	0	0	0	0	0	458	0	0	0	0	458	458	15
Subtotal Other	30,678	331	886	101	0	0	458	0	838	224	782	3,620	34,298	1,106
Total Imports	**77,697**	**422**	**1,909**	**101**	**626**	**0**	**458**	**200**	**838**	**224**	**1,223**	**6,001**	**83,698**	**2,700**
							PAD District IV							
Other														
Canada	2,225	475	0	0	42	0	0	74	1	0	159	751	2,976	96
Subtotal Other	2,225	475	0	0	42	0	0	74	1	0	159	751	2,976	96
Total Imports	**2,225**	**475**	**0**	**0**	**42**	**0**	**0**	**74**	**1**	**0**	**159**	**751**	**2,976**	**96**
							PAD District V							
Arab OPEC														
United Arab Emirates	0	79	0	0	0	0	0	0	0	0	0	79	79	3
Subtotal Arab OPEC	0	79	0	0	0	0	0	0	0	0	0	79	79	3
Other OPEC														
Indonesia	2,376	0	0	0	0	0	0	0	0	0	0	0	2,376	77
Venezuela	0	0	0	0	0	0	0	0	0	0	116	116	116	4
Subtotal Other OPEC	2,376	0	0	0	0	0	0	0	0	0	116	116	2,492	80

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V (continued)													
Other														
Australia	679	96	0	0	0	0	0	0	0	0	0	96	775	25
Belgium	0	0	0	0	0	0	0	0	0	5	0	5	5	(s)
Canada	540	362	1	0	94	0	0	61	0	6	17	541	1,081	35
China, People's Republic	2	0	0	339	163	0	0	0	0	0	0	502	504	16
Israel	0	0	0	0	0	0	0	0	0	3	0	3	3	(s)
Japan	0	(s)	0	0	0	0	0	0	0	0	72	72	72	2
Korea, Republic	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Malaysia	658	0	0	0	0	0	0	0	0	0	0	0	658	21
Mexico	0	0	0	0	0	0	0	0	0	0	84	84	84	3
Netherlands	0	0	0	0	129	0	0	0	0	0	0	129	129	4
Puerto Rico	0	0	0	0	0	0	0	0	0	0	63	63	63	2
Singapore	0	0	0	0	0	0	0	0	104	0	0	104	104	3
Subtotal Other	1,879	458	1	339	386	0	0	61	104	14	236	1,599	3,478	112
Total Imports	**4,255**	**537**	**1**	**339**	**386**	**0**	**0**	**61**	**104**	**14**	**352**	**1,794**	**6,049**	**195**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed, all other products are reported by the PAD District of entry

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve

3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding

Sources and estimation procedures. See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	3,759	691	265	0	0	0	0	243	1,670	0	1,956	4,825	8,584	307
Iraq	1,117	0	0	0	0	0	0	0	0	0	0	0	1,117	40
Kuwait	456	0	823	0	0	0	0	0	0	0	0	823	1,279	46
Saudi Arabia	18,156	0	2,066	0	740	769	0	0	0	0	0	3,575	21,731	776
United Arab Emirates	906	0	601	0	0	0	0	0	0	0	0	601	1,507	54
Subtotal Arab OPEC	24,394	691	3,755	0	740	769	0	243	1,670	0	1,956	9,824	34,218	1,222
Other OPEC														
Ecuador	1,496	0	385	0	0	0	0	0	60	0	0	445	1,941	69
Indonesia	10,960	0	251	0	0	0	0	0	483	0	0	734	11,694	418
Iran	829	0	0	0	0	0	0	0	0	0	0	0	829	30
Nigeria	7,154	0	0	0	0	0	0	0	0	0	0	0	7,154	256
Venezuela	11,492	280	778	121	2,092	448	0	3,546	2,437	0	958	10,660	22,152	791
Subtotal Other OPEC	31,931	280	1,414	121	2,092	448	0	3,546	2,980	0	958	11,839	43,770	1,563
Other														
Angola	2,365	0	0	0	0	0	0	0	654	0	0	654	3,019	108
Argentina	0	0	0	0	0	0	0	0	400	142	0	542	542	19
Australia	0	298	0	0	0	0	0	0	0	0	0	298	298	11
Bahama Islands	0	0	0	0	0	0	0	207	1,370	0	0	1,577	1,577	56
Belgium	0	0	0	0	825	0	0	0	384	0	0	1,209	1,209	43
Brazil	0	0	0	0	1,203	0	0	0	892	21	4	2,120	2,120	76
Cameroon	0	0	0	0	0	0	0	0	397	0	0	397	397	14
Canada	15,313	3,366	22	50	726	85	61	1,322	562	46	376	6,616	21,929	783
China, People's Republic	1,432	0	0	160	0	0	0	0	0	0	83	243	1,675	60
China, Taiwan	0	1	0	0	0	0	0	0	0	0	9	10	10	(s)
Colombia	3,004	0	0	0	0	0	0	0	338	0	0	338	3,342	119
Congo	0	0	0	0	0	0	0	0	167	0	0	167	167	6
Egypt	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
France	0	44	31	0	0	0	0	0	0	0	56	131	131	5
Germany, DR (E)	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Germany, FD (W)	0	2	0	0	0	0	0	0	0	0	2	4	4	(s)
Greece	0	0	0	0	0	0	0	0	7	0	0	7	7	(s)
India	0	0	298	0	0	0	0	0	0	275	0	573	573	20
Italy	0	(s)	0	0	283	0	0	0	387	0	289	959	959	34
Jamaica	0	0	0	0	0	0	0	0	159	0	0	159	159	6
Japan	0	(s)	0	0	0	0	0	0	0	40	37	77	77	3
Korea, Republic	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	16,864	573	389	93	0	0	0	654	491	0	298	2,498	19,362	692
Netherlands Antilles	0	0	0	0	227	0	0	0	430	0	0	657	657	23
Netherlands	0	(s)	0	246	480	0	0	0	179	32	24	961	961	34
Norway	2,303	231	22	0	0	0	0	0	0	0	0	253	2,556	91
Peru	0	0	0	0	0	0	0	0	922	0	0	922	922	33
Puerto Rico	0	0	186	0	0	0	0	0	0	0	474	660	660	24
Romania	0	0	502	714	492	0	0	0	0	0	0	1,708	1,708	61
Singapore	0	0	392	0	0	0	0	0	1,204	0	353	1,949	1,949	70
South Africa	0	0	0	0	0	0	0	0	0	0	14	14	14	1
Spain	0	0	204	0	744	0	0	0	681	0	0	1,629	1,629	58
Sweden	0	0	201	0	0	0	0	0	0	0	21	222	222	8

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Switzerland	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Thailand	700	0	0	0	0	0	0	0	0	0	0	0	700	25
Trinidad and Tobago	2,790	0	0	0	0	0	0	205	573	0	0	778	3,568	127
Turkey	0	0	0	0	0	0	0	0	0	0	42	42	42	2
United Kingdom	6,604	137	172	0	296	0	0	0	0	0	72	677	7,281	260
U.S.S.R.	0	0	0	0	0	78	0	0	0	212	0	290	290	10
Uruguay	0	7	0	0	0	0	0	0	0	0	0	7	7	(s)
Virgin Islands	0	0	1,109	374	540	490	959	907	3,859	0	37	8,275	8,275	296
Zaire	560	0	0	0	0	0	0	0	0	0	0	0	560	20
Subtotal Other	51,935	4,666	3,528	1,637	5,816	653	1,020	3,295	14,056	768	2,203	37,642	89,577	3,199
Total Imports	**108,260**	**5,636**	**8,697**	**1,758**	**8,648**	**1,870**	**1,020**	**7,084**	**18,706**	**768**	**5,117**	**59,305**	**167,565**	**5,984**
	PAD District I													
Arab OPEC														
Algeria	1,248	691	0	0	0	0	0	243	1,670	0	0	2,604	3,852	138
Saudi Arabia	943	0	0	0	205	769	0	0	0	0	0	974	1,917	68
Subtotal Arab OPEC	2,191	691	0	0	205	769	0	243	1,670	0	0	3,578	5,769	206
Other OPEC														
Ecuador	1,117	0	385	0	0	0	0	0	60	0	0	445	1,562	56
Indonesia	2,941	0	0	0	0	0	0	0	483	0	0	483	3,424	122
Nigeria	3,912	0	0	0	0	0	0	0	0	0	0	0	3,912	140
Venezuela	2,104	189	0	0	1,603	448	0	3,357	2,437	0	531	8,566	10,670	381
Subtotal Other OPEC	10,074	189	385	0	1,603	448	0	3,357	2,980	0	531	9,494	19,568	699
Other														
Angola	1,627	0	0	0	0	0	0	0	654	0	0	654	2,281	81
Argentina	0	0	0	0	0	0	0	0	400	0	0	400	400	14
Bahama Islands	0	0	0	0	0	0	0	207	1,370	0	0	1,577	1,577	56
Belgium	0	0	0	0	825	0	0	0	384	0	0	1,209	1,209	43
Brazil	0	0	0	0	982	0	0	0	892	0	4	1,878	1,878	67
Cameroon	0	0	0	0	0	0	0	0	397	0	0	397	397	14
Canada	1,428	300	2	0	387	0	61	1,071	538	3	57	2,419	3,847	137
China, People's Republic	737	0	0	0	0	0	0	0	0	0	15	15	752	27
Colombia	422	0	0	0	0	0	0	0	338	0	0	338	760	27
Congo	0	0	0	0	0	0	0	0	167	0	0	167	167	6
France	0	44	0	0	0	0	0	0	0	0	0	44	44	2
Germany, FD (W)	0	2	0	0	0	0	0	0	0	0	2	4	4	(s)
Italy	0	(s)	0	0	283	0	0	0	0	0	289	572	572	20
Jamaica	0	0	0	0	0	0	0	0	159	0	0	159	159	6
Japan	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Mexico	2,395	0	333	93	0	0	0	654	271	0	217	1,568	3,963	142
Netherlands Antilles	0	0	0	0	227	0	0	0	430	0	0	657	657	23
Netherlands	0	0	0	246	480	0	0	0	179	0	0	905	905	32
Norway	2,303	193	0	0	0	0	0	0	0	0	0	193	2,496	89
Peru	0	0	0	0	0	0	0	0	922	0	0	922	922	33

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Puerto Rico	0	0	186	0	0	0	0	0	0	0	327	513	513	18
Romania	0	0	502	714	492	0	0	0	0	0	0	1,708	1,708	61
Singapore	0	0	392	0	0	0	0	0	962	0	0	1,354	1,354	48
Spain	0	0	204	0	744	0	0	0	681	0	0	1,629	1,629	58
Switzerland	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Trinidad and Tobago	451	0	0	0	0	0	0	205	573	0	0	778	1,229	44
United Kingdom	5,377	134	0	0	296	0	0	0	0	0	3	433	5,810	208
U.S.S.R.	0	0	0	0	0	78	0	0	0	0	0	78	78	3
Virgin Islands	0	0	1,109	374	540	490	434	907	3,625	0	37	7,516	7,516	268
Zaire	183	0	0	0	0	0	0	0	0	0	0	0	183	7
Subtotal Other	14,923	679	2,728	1,427	5,256	568	495	3,044	12,942	3	952	28,094	43,017	1,536
Total Imports	**27,188**	**1,559**	**3,113**	**1,427**	**7,064**	**1,785**	**495**	**6,644**	**17,592**	**3**	**1,483**	**41,165**	**68,353**	**2,441**
							PAD District II							
Arab OPEC														
Algeria	651	0	0	0	0	0	0	0	0	0	0	0	651	23
Iraq	1,117	0	0	0	0	0	0	0	0	0	0	0	1,117	40
Saudi Arabia	2,527	0	0	0	0	0	0	0	0	0	0	0	2,527	90
Subtotal Arab OPEC	4,295	0	0	0	0	0	0	0	0	0	0	0	4,295	153
Other														
Canada	10,756	2,335	0	50	110	80	0	195	23	35	125	2,953	13,709	490
Mexico	1,142	0	0	0	0	0	0	0	0	0	0	0	1,142	41
South Africa	0	0	0	0	0	0	0	0	0	0	10	10	10	(s)
Trinidad and Tobago	973	0	0	0	0	0	0	0	0	0	0	0	973	35
United Kingdom	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
Uruguay	0	7	0	0	0	0	0	0	0	0	0	7	7	(s)
Subtotal Other	12,871	2,345	0	50	110	80	0	195	23	35	135	2,973	15,844	566
Total Imports	**17,166**	**2,345**	**0**	**50**	**110**	**80**	**0**	**195**	**23**	**35**	**135**	**2,973**	**20,139**	**719**
							PAD District III							
Arab OPEC														
Algeria	1,860	0	265	0	0	0	0	0	0	0	1,956	2,221	4,081	146
Kuwait	456	0	823	0	0	0	0	0	0	0	0	823	1,279	46
Saudi Arabia	14,686	0	2,066	0	0	0	0	0	0	0	0	2,066	16,752	598
United Arab Emirates	906	0	601	0	0	0	0	0	0	0	0	601	1,507	54
Subtotal Arab OPEC	17,908	0	3,755	0	0	0	0	0	0	0	1,956	5,711	23,619	844
Other OPEC														
Ecuador	379	0	0	0	0	0	0	0	0	0	0	0	379	14
Indonesia	2,898	0	0	0	0	0	0	0	0	0	0	0	2,898	104
Iran	829	0	0	0	0	0	0	0	0	0	0	0	829	30
Nigeria	3,242	0	0	0	0	0	0	0	0	0	0	0	3,242	116
Venezuela	9,388	90	778	121	489	0	0	189	0	0	67	1,734	11,122	397

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, February 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District III (continued)														
Other OPEC														
Subtotal Other OPEC	16,736	90	778	121	489	0	0	189	0	0	67	1,734	18,470	660
Other														
Angola	738	0	0	0	0	0	0	0	0	0	0	0	738	26
Argentina	0	0	0	0	0	0	0	0	0	142	0	142	142	5
Australia	0	98	0	0	0	0	0	0	0	0	0	98	98	4
Brazil	0	0	0	0	221	0	0	0	0	21	0	242	242	9
Canada	387	0	20	0	0	0	0	0	0	0	0	20	407	15
China, People's Republic	695	0	0	0	0	0	0	0	0	0	68	68	763	27
Colombia	2,582	0	0	0	0	0	0	0	0	0	0	0	2,582	92
Egypt	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
France	0	0	31	0	0	0	0	0	0	0	56	87	87	3
Germany, DR (E)	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
India	0	0	298	0	0	0	0	0	0	275	0	573	573	20
Italy	0	0	0	0	0	0	0	0	387	0	0	387	387	14
Japan	0	0	0	0	0	0	0	0	0	40	36	76	76	3
Mexico	13,327	573	56	0	0	0	0	0	220	0	7	856	14,183	507
Netherlands	0	0	0	0	0	0	0	0	0	32	24	56	56	2
Norway	0	38	22	0	0	0	0	0	0	0	0	60	60	2
Puerto Rico	0	0	0	0	0	0	0	0	0	0	117	117	117	4
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Sweden	0	0	201	0	0	0	0	0	0	0	21	222	222	8
Thailand	288	0	0	0	0	0	0	0	0	0	0	0	288	10
Trinidad and Tobago	1,366	0	0	0	0	0	0	0	0	0	0	0	1,366	49
Turkey	0	0	0	0	0	0	0	0	0	0	42	42	42	2
United Kingdom	1,227	0	172	0	0	0	0	0	0	0	69	241	1,468	52
U.S.S.R.	0	0	0	0	0	0	0	0	0	212	0	212	212	8
Virgin Islands	0	0	0	0	0	0	525	0	234	0	0	759	759	27
Zaire	377	0	0	0	0	0	0	0	0	0	0	0	377	13
Subtotal Other	20,987	709	800	0	221	0	525	0	841	722	456	4,274	25,261	902
Total Imports	**55,631**	**800**	**5,333**	**121**	**710**	**0**	**525**	**189**	**841**	**722**	**2,479**	**11,720**	**67,351**	**2,405**
PAD District IV														
Other														
Canada	2,139	424	0	0	31	0	0	31	1	0	140	627	2,766	99
Subtotal Other	2,139	424	0	0	31	0	0	31	1	0	140	627	2,766	99
Total Imports	**2,139**	**424**	**0**	**0**	**31**	**0**	**0**	**31**	**1**	**0**	**140**	**627**	**2,766**	**99**
PAD District V														
Arab OPEC														
Saudi Arabia	0	0	0	0	535	0	0	0	0	0	0	535	535	19
Subtotal Arab OPEC	0	0	0	0	535	0	0	0	0	0	0	535	535	19

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V (continued)													
Other OPEC														
Indonesia	5,121	0	251	0	0	0	0	0	0	0	0	251	5,372	192
Venezuela	0	0	0	0	0	0	0	0	0	0	360	360	360	13
Subtotal Other OPEC	5,121	0	251	0	0	0	0	0	0	0	360	611	5,732	205
Other														
Australia	0	200	0	0	0	0	0	0	0	0	0	200	200	7
Canada	603	307	0	0	198	5	0	25	0	8	54	597	1,200	43
China, People's Republic	0	0	0	160	0	0	0	0	0	0	0	160	160	6
China, Taiwan	0	1	0	0	0	0	0	0	0	0	9	10	10	(s)
Greece	0	0	0	0	0	0	0	0	7	0	0	7	7	(s)
Japan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Korea, Republic	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	0	0	0	0	0	0	0	0	0	0	74	74	74	3
Netherlands	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	30	30	30	1
Singapore	0	0	0	0	0	0	0	0	242	0	353	595	595	21
Thailand	412	0	0	0	0	0	0	0	0	0	0	0	412	15
Subtotal Other	1,015	509	0	160	198	5	0	25	249	8	520	1,674	2,689	96
Total Imports	**6,136**	**509**	**251**	**160**	**733**	**5**	**0**	**25**	**249**	**8**	**880**	**2,820**	**8,956**	**320**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[3] Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products By Source and PAD District, March 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	4,381	453	660	0	0	0	0	679	2,374	0	1,816	5,982	10,363	334
Iraq	1,123	0	0	0	0	0	0	0	0	0	0	0	1,123	36
Kuwait	1,089	230	0	0	0	0	0	0	0	0	0	230	1,319	43
Saudi Arabia	10,550	0	1,991	0	585	216	0	0	0	0	0	2,792	13,342	430
Subtotal Arab OPEC	17,143	683	2,651	0	585	216	0	679	2,374	0	1,816	9,004	26,147	843
Other OPEC														
Ecuador	1,096	0	0	0	0	0	0	0	180	0	0	180	1,276	41
Gabon	471	0	0	0	0	0	0	0	0	0	0	0	471	15
Indonesia	8,766	0	483	0	0	0	0	0	590	0	0	1,073	9,839	317
Iran	2,253	0	0	0	0	0	0	0	0	0	0	0	2,253	73
Nigeria	9,682	0	0	0	0	0	0	0	0	0	0	0	9,682	312
Venezuela	12,950	410	658	126	1,737	585	0	3,645	1,109	0	552	8,823	21,773	702
Subtotal Other OPEC	35,218	410	1,141	126	1,737	585	0	3,645	1,879	0	552	10,076	45,294	1,461
Other														
Angola	5,878	0	0	0	0	0	0	0	375	0	0	375	6,253	202
Argentina	0	0	0	0	0	0	0	0	686	44	0	730	730	24
Australia	2,127	0	0	0	0	0	0	0	52	0	0	52	2,179	70
Bahama Islands	0	0	0	0	0	91	0	217	1,037	0	0	1,345	1,345	43
Belgium	0	0	884	0	447	0	0	0	439	0	16	1,786	1,786	58
Brazil	0	0	0	0	1,147	0	0	0	884	0	38	2,069	2,069	67
Brunei	696	0	0	0	0	0	0	0	0	0	0	0	696	22
Cameroon	772	0	0	0	0	0	0	0	0	0	0	0	772	25
Canada	16,299	2,659	30	50	776	366	21	1,896	264	111	404	6,578	22,877	738
China, People's Republic	718	0	0	261	158	0	0	0	0	0	56	475	1,193	38
China, Taiwan	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Colombia	2,551	0	0	0	0	0	0	0	1,495	0	0	1,495	4,046	131
Egypt	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
France	0	(s)	27	0	211	0	0	0	0	0	58	296	296	10
Germany, FD (W)	0	0	0	0	0	0	0	0	211	55	3	269	269	9
Greece	0	0	0	0	0	0	0	0	267	0	0	267	267	9
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	513	288	0	0	0	0	0	355	0	1,156	1,156	37
Israel	0	0	0	0	0	0	0	0	0	19	0	19	19	1
Italy	0	0	562	0	1,290	0	0	0	0	0	45	1,897	1,897	61
Japan	0	(s)	0	18	0	0	0	0	0	0	88	106	106	3
Korea, Republic	0	(s)	0	65	0	0	0	0	0	3	52	120	120	4
Malaysia	922	0	0	0	0	0	0	0	0	0	0	0	922	30
Mexico	20,396	0	0	63	0	298	0	451	706	1	436	1,955	22,351	721
Netherlands Antilles	0	0	0	0	0	0	0	0	448	0	0	448	448	14
Netherlands	0	72	189	0	1,842	0	0	0	0	17	22	2,142	2,142	69
Norway	3,433	180	331	0	0	0	0	0	0	0	0	511	3,944	127
Panama	0	0	0	0	0	0	0	0	13	0	0	13	13	(s)
Peru	0	0	0	0	0	0	0	0	589	0	0	589	589	19
Puerto Rico	0	0	63	0	0	0	0	0	0	0	476	539	539	17
Romania	0	0	381	626	1,223	0	0	273	0	0	0	2,503	2,503	81
Singapore	0	0	355	0	0	2	0	0	535	0	0	892	892	29
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] March 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Spain	0	0	417	0	537	0	0	0	924	0	191	2,069	2,069	67
Sweden	0	0	377	0	282	0	0	0	0	0	22	681	681	22
Syria	0	0	656	0	0	0	0	0	0	0	0	656	656	21
Togo	0	0	0	0	0	0	0	0	140	0	0	140	140	5
Trinidad and Tobago	2,005	0	0	0	0	0	0	0	1,849	0	0	1,849	3,854	124
Turkey	0	0	0	0	0	0	0	0	0	0	275	275	275	9
United Kingdom	8,705	72	142	0	503	0	0	0	519	0	35	1,271	9,976	322
U.S.S.R.	0	0	0	0	0	0	0	137	0	0	0	137	137	4
Virgin Islands	0	0	2,078	210	549	1,005	272	1,905	1,641	0	0	7,660	7,660	247
Zaire	297	0	0	0	0	0	0	0	0	0	0	0	297	10
Subtotal Other	64,799	2,985	7,005	1,581	8,965	1,763	293	4,879	13,074	605	2,223	43,373	108,172	3,489
Total Imports	**117,160**	**4,078**	**10,797**	**1,707**	**11,287**	**2,564**	**293**	**9,203**	**17,327**	**605**	**4,591**	**62,452**	**179,612**	**5,794**
	PAD District I													
Arab OPEC														
Algeria	1,514	453	660	0	0	0	0	679	2,009	0	0	3,801	5,315	171
Saudi Arabia	1,036	0	0	0	585	216	0	0	0	0	0	801	1,837	59
Subtotal Arab OPEC	2,550	453	660	0	585	216	0	679	2,009	0	0	4,602	7,152	231
Other OPEC														
Ecuador	366	0	0	0	0	0	0	0	180	0	0	180	546	18
Indonesia	1,911	0	0	0	0	0	0	0	590	0	0	590	2,501	81
Nigeria	5,638	0	0	0	0	0	0	0	0	0	0	0	5,638	182
Venezuela	2,227	318	0	0	1,596	367	0	3,215	1,109	0	439	7,044	9,271	299
Subtotal Other OPEC	10,142	318	0	0	1,596	367	0	3,215	1,879	0	439	7,814	17,956	579
Other														
Angola	3,658	0	0	0	0	0	0	0	375	0	0	375	4,033	130
Argentina	0	0	0	0	0	0	0	0	686	44	0	730	730	24
Bahama Islands	0	0	0	0	0	91	0	217	1,037	0	0	1,345	1,345	43
Belgium	0	0	884	0	447	0	0	0	439	0	0	1,770	1,770	57
Brazil	0	0	0	0	1,147	0	0	0	884	0	19	2,050	2,050	66
Cameroon	772	0	0	0	0	0	0	0	0	0	0	0	772	25
Canada	1,640	331	1	0	147	174	21	1,624	192	14	63	2,567	4,207	136
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Colombia	1,319	0	0	0	0	0	0	0	1,495	0	0	1,495	2,814	91
Egypt	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
France	0	(s)	0	0	211	0	0	0	0	0	0	211	211	7
Germany, FD (W)	0	0	0	0	0	0	0	0	211	0	3	214	214	7
Greece	0	0	0	0	0	0	0	0	267	0	0	267	267	9
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Israel	0	0	0	0	0	0	0	0	0	15	0	15	15	(s)
Italy	0	0	562	0	1,008	0	0	0	0	0	7	1,577	1,577	51
Japan	0	0	0	0	0	0	0	0	0	0	46	46	46	1
Malaysia	922	0	0	0	0	0	0	0	0	0	0	0	922	30
Mexico	2,614	0	0	0	0	298	0	0	155	0	269	722	3,336	108

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products By Source and PAD District, March 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Netherlands Antilles	0	0	0	0	0	0	0	0	448	0	0	448	448	14
Netherlands	0	72	189	0	1,735	0	0	0	0	5	0	2,001	2,001	65
Norway	2,932	180	0	0	0	0	0	0	0	0	0	180	3,112	100
Panama	0	0	0	0	0	0	0	0	13	0	0	13	13	(s)
Peru	0	0	0	0	0	0	0	0	589	0	0	589	589	19
Puerto Rico	0	0	63	0	0	0	0	0	0	0	335	398	398	13
Romania	0	0	381	626	1,223	0	0	273	0	0	0	2,503	2,503	81
Singapore	0	0	118	0	0	0	0	0	253	0	0	371	371	12
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Spain	0	0	417	0	537	0	0	0	924	0	191	2,069	2,069	67
Sweden	0	0	197	0	282	0	0	0	0	0	0	479	479	15
Togo	0	0	0	0	0	0	0	0	140	0	0	140	140	5
Trinidad and Tobago	134	0	0	0	0	0	0	0	1,849	0	0	1,849	1,983	64
United Kingdom	6,301	72	0	0	503	0	0	0	519	0	17	1,111	7,412	239
U.S.S.R.	0	0	0	0	0	0	0	137	0	0	0	137	137	4
Virgin Islands	0	0	1,816	210	549	1,005	272	1,905	1,641	0	0	7,398	7,398	239
Zaire	297	0	0	0	0	0	0	0	0	0	0	0	297	10
Subtotal Other	20,589	656	4,628	836	7,789	1,568	293	4,156	12,117	78	956	33,077	53,666	1,731
Total Imports	**33,281**	**1,426**	**5,288**	**836**	**9,970**	**2,151**	**293**	**8,050**	**16,005**	**78**	**1,395**	**45,493**	**78,774**	**2,541**
PAD District II														
Arab OPEC														
Algeria	500	0	0	0	0	0	0	0	0	0	0	0	500	16
Iraq	1,123	0	0	0	0	0	0	0	0	0	0	0	1,123	36
Subtotal Arab OPEC	1,623	0	0	0	0	0	0	0	0	0	0	0	1,623	52
Other OPEC														
Nigeria	983	0	0	0	0	0	0	0	0	0	0	0	983	32
Venezuela	0	0	0	0	0	218	0	0	0	0	0	218	218	7
Subtotal Other OPEC	983	0	0	0	0	218	0	0	0	0	0	218	1,201	39
Other														
Canada	11,575	1,677	0	0	298	75	0	199	70	45	228	2,592	14,167	457
Mexico	1,972	0	0	0	0	0	0	0	0	0	0	0	1,972	64
Trinidad and Tobago	970	0	0	0	0	0	0	0	0	0	0	0	970	31
United Kingdom	934	0	0	0	0	0	0	0	0	0	2	2	936	30
Subtotal Other	15,451	1,677	0	0	298	75	0	199	70	45	230	2,594	18,045	582
Total Imports	**18,057**	**1,677**	**0**	**0**	**298**	**293**	**0**	**199**	**70**	**45**	**230**	**2,812**	**20,869**	**673**
PAD District III														
Arab OPEC														
Algeria	2,367	0	0	0	0	0	0	0	365	0	1,816	2,181	4,548	147
Kuwait	1,089	230	0	0	0	0	0	0	0	0	0	230	1,319	43
Saudi Arabia	9,514	0	1,991	0	0	0	0	0	0	0	0	1,991	11,505	371

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] March 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Arab OPEC (continued)														
Subtotal Arab OPEC	12,970	230	1,991	0	0	0	0	0	365	0	1,816	4,402	17,372	560
Other OPEC														
Ecuador	730	0	0	0	0	0	0	0	0	0	0	0	730	24
Gabon	471	0	0	0	0	0	0	0	0	0	0	0	471	15
Indonesia	2,952	0	483	0	0	0	0	0	0	0	0	483	3,435	111
Iran	2,253	0	0	0	0	0	0	0	0	0	0	0	2,253	73
Nigeria	3,061	0	0	0	0	0	0	0	0	0	0	0	3,061	99
Venezuela	10,723	92	658	126	141	0	0	430	0	0	0	1,447	12,170	393
Subtotal Other OPEC	20,190	92	1,141	126	141	0	0	430	0	0	0	1,930	22,120	714
Other														
Angola	2,220	0	0	0	0	0	0	0	0	0	0	0	2,220	72
Australia	552	0	0	0	0	0	0	0	0	0	0	0	552	18
Belgium	0	0	0	0	0	0	0	0	0	0	16	16	16	1
Brazil	0	0	0	0	0	0	0	0	0	0	19	19	19	1
Canada	343	0	29	50	0	0	0	0	0	45	0	124	467	15
China, People's Republic	718	0	0	0	0	0	0	0	0	0	5	5	723	23
Colombia	1,232	0	0	0	0	0	0	0	0	0	0	0	1,232	40
France	0	0	27	0	0	0	0	0	0	0	58	85	85	3
Germany, FD (W)	0	0	0	0	0	0	0	0	0	50	0	50	50	2
India	0	0	513	288	0	0	0	0	0	355	0	1,156	1,156	37
Italy	0	0	0	0	282	0	0	0	0	0	38	320	320	10
Japan	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Mexico	15,810	0	0	63	0	0	0	451	551	1	9	1,075	16,885	545
Netherlands	0	0	0	0	107	0	0	0	0	8	22	137	137	4
Norway	501	0	331	0	0	0	0	0	0	0	0	331	832	27
Puerto Rico	0	0	0	0	0	0	0	0	0	0	103	103	103	3
Sweden	0	0	180	0	0	0	0	0	0	0	22	202	202	7
Syria	0	0	656	0	0	0	0	0	0	0	0	656	656	21
Trinidad and Tobago	901	0	0	0	0	0	0	0	0	0	0	0	901	29
Turkey	0	0	0	0	0	0	0	0	0	0	40	40	40	1
United Kingdom	1,470	0	142	0	0	0	0	0	0	0	16	158	1,628	53
Subtotal Other	23,747	0	1,878	401	389	0	0	451	551	459	354	4,483	28,230	911
Total Imports	**56,907**	**322**	**5,010**	**527**	**530**	**0**	**0**	**881**	**916**	**459**	**2,170**	**10,815**	**67,722**	**2,185**
							PAD District IV							
Other														
Canada	1,666	383	0	0	49	0	0	58	2	0	93	585	2,251	73
Subtotal Other	1,666	383	0	0	49	0	0	58	2	0	93	585	2,251	73
Total Imports	**1,666**	**383**	**0**	**0**	**49**	**0**	**0**	**58**	**2**	**0**	**93**	**585**	**2,251**	**73**

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V													
Other OPEC														
Indonesia	3,903	0	0	0	0	0	0	0	0	0	0	0	3,903	126
Venezuela	0	0	0	0	0	0	0	0	0	0	113	113	113	4
Subtotal Other OPEC	3,903	0	0	0	0	0	0	0	0	0	113	113	4,016	130
Other														
Australia	1,575	0	0	0	0	0	0	0	52	0	0	52	1,627	52
Brunei	696	0	0	0	0	0	0	0	0	0	0	0	696	22
Canada	1,075	269	0	0	282	117	0	15	0	7	20	710	1,785	58
China, People's Republic	0	0	0	261	158	0	0	0	0	0	51	470	470	15
China, Taiwan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Germany, FD (W)	0	0	0	0	0	0	0	0	0	5	0	5	5	(s)
Israel	0	0	0	0	0	0	0	0	0	4	0	4	4	(s)
Japan	0	(s)	0	18	0	0	0	0	0	0	36	54	54	2
Korea, Republic	0	(s)	0	65	0	0	0	0	0	3	52	120	120	4
Mexico	0	0	0	0	0	0	0	0	0	0	158	158	158	5
Netherlands	0	0	0	0	0	0	0	0	0	4	0	4	4	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	38	38	38	1
Singapore	0	0	237	0	0	2	0	0	282	0	0	521	521	17
Turkey	0	0	0	0	0	0	0	0	0	0	235	235	235	8
Virgin Islands	0	0	262	0	0	0	0	0	0	0	0	262	262	8
Subtotal Other	3,346	270	499	344	440	119	0	15	334	23	590	2,634	5,980	193
Total Imports	**7,249**	**270**	**499**	**344**	**440**	**119**	**0**	**15**	**334**	**23**	**703**	**2,747**	**9,996**	**322**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve

3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	4,552	519	1,085	0	0	0	0	209	1,526	0	1,795	5,134	9,686	323
Kuwait	0	0	532	0	0	0	0	0	0	0	0	532	532	18
Saudi Arabia	9,606	0	2,269	0	1,591	421	0	0	0	0	0	4,281	13,887	463
United Arab Emirates	1,862	0	0	0	0	0	0	0	0	0	0	0	1,862	62
Subtotal Arab OPEC	16,020	519	3,886	0	1,591	421	0	209	1,526	0	1,795	9,947	25,967	866
Other OPEC														
Gabon	1,780	0	0	0	0	0	0	0	0	0	0	0	1,780	59
Indonesia	7,066	0	0	0	0	0	0	0	0	0	0	0	7,066	236
Iran	1,414	0	0	0	0	0	0	0	0	0	0	0	1,414	47
Nigeria	15,203	0	167	0	0	0	0	0	0	0	0	167	15,370	512
Venezuela	12,595	187	691	0	2,172	711	0	2,792	1,634	0	522	8,708	21,303	710
Subtotal Other OPEC	38,058	187	858	0	2,172	711	0	2,792	1,634	0	522	8,875	46,933	1,564
Other														
Angola	4,746	0	0	0	0	0	0	0	341	0	0	341	5,087	170
Argentina	712	0	0	0	0	0	0	0	0	139	0	139	851	28
Australia	823	0	0	0	0	0	0	0	63	0	45	108	931	31
Bahama Islands	0	0	0	0	0	3	0	0	1,298	0	0	1,301	1,301	43
Belgium	0	0	0	0	475	0	0	0	142	0	4	621	621	21
Brazil	0	0	0	0	2,483	0	0	0	277	0	1	2,761	2,761	92
Cameroon	1,041	0	0	0	0	0	0	0	305	0	0	305	1,346	45
Canada	18,422	3,281	38	0	851	161	10	1,029	251	113	384	6,118	24,540	818
China, People's Republic	1,391	0	0	323	156	0	0	0	0	0	69	548	1,939	65
China, Taiwan	0	0	0	0	0	0	0	0	0	0	18	18	18	1
Colombia	3,354	0	0	0	0	0	0	0	1,338	0	0	1,338	4,692	156
Congo	0	0	0	0	0	0	0	0	334	0	0	334	334	11
Egypt	934	0	0	0	0	0	0	0	0	0	1	1	935	31
France	0	0	0	0	214	0	0	0	0	0	65	279	279	9
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Greece	0	0	0	0	238	0	0	0	0	0	0	238	238	8
Guatemala	200	0	0	0	0	0	0	0	0	0	0	0	200	7
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	527	0	0	0	0	0	0	325	0	852	852	28
Italy	0	(s)	0	0	270	0	0	0	0	0	45	315	315	11
Japan	0	1	0	0	0	0	0	0	0	40	42	83	83	3
Korea, Republic	0	2	0	0	86	0	0	0	0	0	0	88	88	3
Mexico	18,807	224	47	0	0	247	0	0	404	0	629	1,552	20,359	679
Netherlands Antilles	0	0	0	0	125	0	0	0	234	0	0	359	359	12
Netherlands	0	0	0	0	684	0	0	506	921	0	43	2,154	2,154	72
Norway	2,067	174	30	0	0	0	0	0	183	0	24	411	2,478	83
Pakistan	0	0	0	0	0	0	0	0	0	0	94	94	94	3
Peru	0	0	0	0	0	0	0	0	1,036	0	0	1,036	1,036	35
Portugal	0	0	0	0	0	0	0	0	0	0	11	11	11	(s)
Puerto Rico	0	0	286	0	0	0	0	0	0	0	443	729	729	24
Romania	0	0	538	251	818	0	0	0	0	0	0	1,607	1,607	54
Singapore	0	0	0	0	0	2	0	0	567	0	0	569	569	19
Spain	0	0	0	0	0	0	0	0	163	0	298	461	461	15
Sweden	0	0	0	0	0	0	0	0	0	0	39	39	39	1

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	349	0	0	0	0	0	0	0	0	0	0	0	349	12
Trinidad and Tobago	2,552	0	0	0	0	0	0	206	938	0	0	1,144	3,696	123
United Kingdom	13,889	87	340	0	235	0	0	0	0	0	8	670	14,559	485
U.S.S.R.	0	0	0	0	0	0	0	137	0	0	0	137	137	5
Virgin Islands	0	0	2,798	336	815	403	248	866	2,318	0	0	7,784	7,784	259
Zaire	599	0	0	0	0	0	0	0	0	0	0	0	599	20
Subtotal Other	69,886	3,770	4,604	910	7,450	816	258	2,744	11,113	617	2,266	34,548	104,434	3,481
Total Imports	**123,964**	**4,476**	**9,348**	**910**	**11,213**	**1,948**	**258**	**5,745**	**14,273**	**617**	**4,583**	**53,371**	**177,335**	**5,911**
							PAD District I							
Arab OPEC														
Algeria	786	393	1,085	0	0	0	0	209	1,173	0	0	2,860	3,646	122
Saudi Arabia	904	0	246	0	1,174	320	0	0	0	0	0	1,740	2,644	88
Subtotal Arab OPEC	1,690	393	1,331	0	1,174	320	0	209	1,173	0	0	4,600	6,290	210
Other OPEC														
Gabon	555	0	0	0	0	0	0	0	0	0	0	0	555	19
Indonesia	2,112	0	0	0	0	0	0	0	0	0	0	0	2,112	70
Nigeria	4,814	0	0	0	0	0	0	0	0	0	0	0	4,814	160
Venezuela	3,084	99	0	0	1,933	665	0	2,496	1,634	0	522	7,349	10,433	348
Subtotal Other OPEC	10,565	99	0	0	1,933	665	0	2,496	1,634	0	522	7,349	17,914	597
Other														
Angola	2,362	0	0	0	0	0	0	0	341	0	0	341	2,703	90
Argentina	0	0	0	0	0	0	0	0	0	110	0	110	110	4
Australia	0	0	0	0	0	0	0	0	0	0	45	45	45	2
Bahama Islands	0	0	0	0	0	3	0	0	1,298	0	0	1,301	1,301	43
Belgium	0	0	0	0	475	0	0	0	142	0	0	617	617	21
Brazil	0	0	0	0	2,206	0	0	0	277	0	1	2,484	2,484	83
Cameroon	515	0	0	0	0	0	0	0	305	0	0	305	820	27
Canada	2,111	352	3	0	357	78	10	746	218	14	131	1,908	4,019	134
China, People's Republic	746	0	0	0	156	0	0	0	0	0	0	156	902	30
Colombia	836	0	0	0	0	0	0	0	1,338	0	0	1,338	2,174	72
Congo	0	0	0	0	0	0	0	0	334	0	0	334	334	11
Egypt	934	0	0	0	0	0	0	0	0	0	1	1	935	31
France	0	0	0	0	214	0	0	0	0	0	0	214	214	7
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Greece	0	0	0	0	238	0	0	0	0	0	0	238	238	8
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Italy	0	(s)	0	0	270	0	0	0	0	0	0	270	270	9
Japan	0	0	0	0	0	0	0	0	0	40	9	49	49	2
Korea, Republic	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Mexico	2,621	0	0	0	0	247	0	0	404	0	209	860	3,481	116
Netherlands Antilles	0	0	0	0	125	0	0	0	234	0	0	359	359	12
Netherlands	0	0	0	0	684	0	0	506	921	0	15	2,126	2,126	71

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Norway	2,067	90	0	0	0	0	0	0	183	0	0	273	2,340	78
Peru	0	0	0	0	0	0	0	0	1,036	0	0	1,036	1,036	35
Puerto Rico	0	0	286	0	0	0	0	0	0	0	394	680	680	23
Romania	0	0	538	251	818	0	0	0	0	0	0	1,607	1,607	54
Singapore	0	0	0	0	0	0	0	0	221	0	0	221	221	7
Spain	0	0	0	0	0	0	0	0	163	0	298	461	461	15
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	628	0	0	0	0	0	0	206	938	0	0	1,144	1,772	59
United Kingdom	8,598	1	340	0	235	0	0	0	0	0	8	584	9,182	306
U.S.S.R.	0	0	0	0	0	0	0	137	0	0	0	137	137	5
Virgin Islands	0	0	2,523	336	815	403	88	866	2,318	0	0	7,349	7,349	245
Zaire	599	0	0	0	0	0	0	0	0	0	0	0	599	20
Subtotal Other	22,017	445	3,690	587	6,593	731	98	2,461	10,671	164	1,114	26,555	48,572	1,619
Total Imports	**34,272**	**938**	**5,021**	**587**	**9,700**	**1,716**	**98**	**5,166**	**13,478**	**164**	**1,636**	**38,504**	**72,776**	**2,426**
PAD District II														
Arab OPEC														
Algeria	350	0	0	0	0	0	0	0	0	0	0	0	350	12
Saudi Arabia	3,372	0	0	0	0	0	0	0	0	0	0	0	3,372	112
Subtotal Arab OPEC	3,722	0	0	0	0	0	0	0	0	0	0	0	3,722	124
Other OPEC														
Nigeria	2,500	0	0	0	0	0	0	0	0	0	0	0	2,500	83
Subtotal Other OPEC	2,500	0	0	0	0	0	0	0	0	0	0	0	2,500	83
Other														
Canada	13,267	2,187	0	0	105	63	0	164	33	35	76	2,663	15,930	531
Mexico	2,511	0	0	0	0	0	0	0	0	0	0	0	2,511	84
Trinidad and Tobago	472	0	0	0	0	0	0	0	0	0	0	0	472	16
United Kingdom	889	0	0	0	0	0	0	0	0	0	0	0	889	30
Subtotal Other	17,139	2,187	0	0	105	63	0	164	33	35	76	2,663	19,802	660
Total Imports	**23,361**	**2,187**	**0**	**0**	**105**	**63**	**0**	**164**	**33**	**35**	**76**	**2,663**	**26,024**	**867**
PAD District III														
Arab OPEC														
Algeria	3,416	126	0	0	0	0	0	0	353	0	1,795	2,274	5,690	190
Kuwait	0	0	532	0	0	0	0	0	0	0	0	532	532	18
Saudi Arabia	5,330	0	2,023	0	0	0	0	0	0	0	0	2,023	7,353	245
United Arab Emirates	1,862	0	0	0	0	0	0	0	0	0	0	0	1,862	62
Subtotal Arab OPEC	10,608	126	2,555	0	0	0	0	0	353	0	1,795	4,829	15,437	515

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District III (continued)														
Other OPEC														
Gabon	1,225	0	0	0	0	0	0	0	0	0	0	0	1,225	41
Indonesia	2	0	0	0	0	0	0	0	0	0	0	0	2	(s)
Iran	1,414	0	0	0	0	0	0	0	0	0	0	0	1,414	47
Nigeria	7,889	0	167	0	0	0	0	0	0	0	0	167	8,056	269
Venezuela	9,511	87	691	0	239	0	0	296	0	0	0	1,313	10,824	361
Subtotal Other OPEC	20,041	87	858	0	239	0	0	296	0	0	0	1,480	21,521	717
Other														
Angola	2,384	0	0	0	0	0	0	0	0	0	0	0	2,384	79
Argentina	712	0	0	0	0	0	0	0	0	29	0	29	741	25
Belgium	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Brazil	0	0	0	0	277	0	0	0	0	0	0	277	277	9
Cameroon	526	0	0	0	0	0	0	0	0	0	0	0	526	18
Canada	392	0	35	0	0	0	0	0	0	56	20	111	503	17
China, People's Republic	645	0	0	0	0	0	0	0	0	0	69	69	714	24
Colombia	2,518	0	0	0	0	0	0	0	0	0	0	0	2,518	84
France	0	0	0	0	0	0	0	0	0	0	65	65	65	2
Guatemala	200	0	0	0	0	0	0	0	0	0	0	0	200	7
India	0	0	527	0	0	0	0	0	0	325	0	852	852	28
Italy	0	0	0	0	0	0	0	0	0	0	45	45	45	2
Japan	0	0	0	0	0	0	0	0	0	0	33	33	33	1
Mexico	13,675	224	47	0	0	0	0	0	0	0	262	533	14,208	474
Netherlands	0	0	0	0	0	0	0	0	0	0	28	28	28	1
Norway	0	84	30	0	0	0	0	0	0	0	24	138	138	5
Pakistan	0	0	0	0	0	0	0	0	0	0	94	94	94	3
Portugal	0	0	0	0	0	0	0	0	0	0	11	11	11	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	49	49	49	2
Sweden	0	0	0	0	0	0	0	0	0	0	39	39	39	1
Trinidad and Tobago	1,452	0	0	0	0	0	0	0	0	0	0	0	1,452	48
United Kingdom	4,402	86	0	0	0	0	0	0	0	0	0	86	4,488	150
Virgin Islands	0	0	275	0	0	0	160	0	0	0	0	435	435	15
Subtotal Other	26,906	395	914	0	277	0	160	0	0	410	743	2,899	29,805	993
Total Imports	**57,555**	**608**	**4,327**	**0**	**516**	**0**	**160**	**296**	**353**	**410**	**2,538**	**9,208**	**66,763**	**2,225**
PAD District IV														
Other														
Canada	1,914	385	0	0	54	0	0	83	0	0	130	652	2,566	86
Subtotal Other	1,914	385	0	0	54	0	0	83	0	0	130	652	2,566	86
Total Imports	**1,914**	**385**	**0**	**0**	**54**	**0**	**0**	**83**	**0**	**0**	**130**	**652**	**2,566**	**86**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	417	101	0	0	0	0	0	518	518	17
Subtotal Arab OPEC	0	0	0	0	417	101	0	0	0	0	0	518	518	17
Other OPEC														
Indonesia	4,952	0	0	0	0	0	0	0	0	0	0	0	4,952	165
Venezuela	0	0	0	0	0	46	0	0	0	0	0	46	46	2
Subtotal Other OPEC	4,952	0	0	0	0	46	0	0	0	0	0	46	4,998	167
Other														
Australia	823	0	0	0	0	0	0	0	63	0	0	63	886	30
Canada	738	357	0	0	335	20	0	36	0	8	27	783	1,521	51
China, People's Republic	0	0	0	323	0	0	0	0	0	0	0	323	323	11
China, Taiwan	0	0	0	0	0	0	0	0	0	0	18	18	18	1
Japan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Korea, Republic	0	0	0	0	86	0	0	0	0	0	0	86	86	3
Mexico	0	0	0	0	0	0	0	0	0	0	158	158	158	5
Singapore	0	0	0	0	0	2	0	0	346	0	0	348	348	12
Thailand	349	0	0	0	0	0	0	0	0	0	0	0	349	12
Subtotal Other	1,910	358	0	323	421	22	0	36	409	8	203	1,780	3,690	123
Total Imports	**6,862**	**358**	**0**	**323**	**838**	**169**	**0**	**36**	**409**	**8**	**203**	**2,344**	**9,206**	**307**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,573	917	991	0	0	0	0	226	867	0	1,503	4,504	6,077	196
Iraq	917	0	0	0	0	0	0	0	0	0	0	0	917	30
Kuwait	0	0	749	0	0	0	0	0	0	0	0	749	749	24
Saudi Arabia	13,528	0	1,018	0	587	339	0	0	0	0	1	1,945	15,473	499
United Arab Emirates	816	0	0	0	0	0	0	0	0	0	0	0	816	26
Subtotal Arab OPEC	16,834	917	2,758	0	587	339	0	226	867	0	1,504	7,198	24,032	775
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	34	0	0	34	34	1
Gabon	1,985	0	0	0	0	0	0	0	0	0	0	0	1,985	64
Indonesia	7,577	0	763	274	0	0	0	0	593	0	0	1,630	9,207	297
Iran	2,330	0	0	0	0	0	0	0	0	0	0	0	2,330	75
Nigeria	16,885	0	0	0	0	0	0	0	163	0	0	163	17,048	550
Venezuela	17,349	451	479	0	2,789	641	0	2,691	3,051	0	840	10,942	28,291	913
Subtotal Other OPEC	46,126	451	1,242	274	2,789	641	0	2,691	3,841	0	840	12,769	58,895	1,900
Other														
Angola	3,907	0	0	0	0	0	0	0	375	0	0	375	4,282	138
Argentina	0	0	0	0	0	0	0	0	0	136	0	136	136	4
Australia	1,575	192	0	0	0	0	0	0	620	0	0	812	2,387	77
Bahama Islands	0	0	0	0	0	0	0	2	957	0	0	959	959	31
Belgium	0	0	133	0	512	0	0	0	312	0	5	962	962	31
Benin	390	0	0	0	0	0	0	0	0	0	0	0	390	13
Brazil	0	0	0	3	1,714	0	0	0	638	37	1	2,393	2,393	77
Cameroon	1,990	0	0	0	0	0	0	0	299	0	0	299	2,289	74
Canada	20,851	2,324	290	0	923	368	9	1,441	742	87	369	6,553	27,404	884
China, People's Republic	2,174	0	0	328	171	0	0	0	0	0	0	499	2,673	86
China, Taiwan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Colombia	2,289	0	0	0	0	0	0	180	688	0	0	868	3,157	102
Congo	665	0	0	0	0	0	0	0	0	0	0	0	665	21
Egypt	2,064	0	0	0	0	0	0	0	0	0	6	6	2,070	67
France	0	(s)	0	0	0	0	0	0	0	32	17	49	49	2
Germany, FD (W)	0	4	0	0	0	0	0	0	0	0	0	4	4	(s)
Ghana	0	0	146	0	0	0	0	0	0	0	0	146	146	5
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	521	0	0	0	0	0	0	540	0	1,061	1,061	34
Israel	0	0	0	0	0	0	0	0	0	11	0	11	11	(s)
Italy	0	(s)	647	0	584	0	0	0	272	0	103	1,606	1,606	52
Japan	0	(s)	0	0	0	0	0	0	0	0	44	44	44	1
Korea, Republic	0	(s)	0	89	0	117	0	0	0	0	0	207	207	7
Malaysia	0	0	0	0	0	0	0	0	120	0	0	120	120	4
Mexico	16,019	268	0	0	0	32	0	0	280	0	180	759	16,778	541
Netherlands Antilles	0	32	150	0	0	218	0	222	400	0	0	1,022	1,022	33
Netherlands	0	0	0	0	0	0	0	0	255	0	16	271	271	9
Norway	3,154	192	271	0	0	0	0	0	0	0	0	463	3,617	117
Panama	0	0	0	0	0	0	0	0	251	0	0	251	251	8
Peru	379	0	206	0	0	0	0	0	721	0	0	927	1,306	42
Portugal	0	0	0	0	0	0	0	0	0	0	20	20	20	1

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Puerto Rico	0	0	30	0	0	0	0	118	0	0	492	640	640	21
Romania	0	0	0	0	1,817	0	0	0	0	0	0	1,817	1,817	59
Singapore	299	0	499	0	0	0	0	0	0	0	0	499	798	26
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
Spain	0	0	227	0	275	0	0	0	841	0	15	1,358	1,358	44
Sweden	0	0	0	0	0	0	0	0	204	0	0	204	204	7
Syria	544	0	0	0	0	0	0	0	0	0	0	0	544	18
Thailand	420	0	0	0	0	0	0	0	0	0	0	0	420	14
Trinidad and Tobago	2,578	0	0	0	0	0	0	215	844	0	0	1,059	3,637	117
United Kingdom	11,462	35	0	0	238	0	0	183	220	0	1	677	12,139	392
Virgin Islands	0	0	1,625	290	1,360	359	72	1,010	1,895	37	0	6,648	6,648	214
Zaire	609	0	0	0	0	0	0	0	0	0	0	0	609	20
Subtotal Other	71,589	3,048	4,745	710	7,594	1,094	81	3,371	10,934	880	1,278	33,735	105,324	3,398
Total Imports	**134,549**	**4,417**	**8,745**	**984**	**10,970**	**2,074**	**81**	**6,288**	**15,642**	**880**	**3,622**	**53,702**	**188,251**	**6,073**
	PAD District I													
Arab OPEC														
Algeria	0	0	991	0	0	0	0	226	867	0	0	2,084	2,084	67
Saudi Arabia	2,283	0	0	0	587	339	0	0	0	0	0	926	3,209	104
Subtotal Arab OPEC	2,283	0	991	0	587	339	0	226	867	0	0	3,010	5,293	171
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	34	0	0	34	34	1
Gabon	1,358	0	0	0	0	0	0	0	0	0	0	0	1,358	44
Indonesia	2,517	0	0	0	0	0	0	0	400	0	0	400	2,917	94
Nigeria	5,238	0	0	0	0	0	0	0	0	0	0	0	5,238	169
Venezuela	4,520	301	250	0	2,613	423	0	2,691	2,692	0	685	9,655	14,175	457
Subtotal Other OPEC	13,633	301	250	0	2,613	423	0	2,691	3,126	0	685	10,089	23,722	765
Other														
Angola	2,360	0	0	0	0	0	0	0	375	0	0	375	2,735	88
Australia	254	0	0	0	0	0	0	0	287	0	0	287	541	17
Bahama Islands	0	0	0	0	0	0	0	2	957	0	0	959	959	31
Belgium	0	0	0	0	512	0	0	0	312	0	0	824	824	27
Benin	390	0	0	0	0	0	0	0	0	0	0	0	390	13
Brazil	0	0	0	0	1,482	0	0	0	638	0	1	2,121	2,121	68
Cameroon	1,478	0	0	0	0	0	0	0	299	0	0	299	1,777	57
Canada	2,016	314	243	0	541	152	9	837	705	11	184	2,996	5,012	162
China, People's Republic	602	0	0	0	0	0	0	0	0	0	0	0	602	19
Colombia	0	0	0	0	0	0	0	180	688	0	0	868	868	28
Egypt	2,064	0	0	0	0	0	0	0	0	0	1	1	2,065	67
France	0	(s)	0	0	0	0	0	0	0	32	0	32	32	1
Germany, FD (W)	0	4	0	0	0	0	0	0	0	0	0	4	4	(s)
Ghana	0	0	146	0	0	0	0	0	0	0	0	146	146	5
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Israel	0	0	0	0	0	0	0	0	0	11	0	11	11	(s)

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, May 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Italy	0	(s)	221	0	584	0	0	0	0	0	0	805	805	26
Japan	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Malaysia	0	0	0	0	0	0	0	0	120	0	0	120	120	4
Mexico	2,822	0	0	0	0	32	0	0	40	0	0	72	2,894	93
Netherlands Antilles	0	0	150	0	0	218	0	222	400	0	0	990	990	32
Netherlands	0	0	0	0	0	0	0	0	255	0	16	271	271	9
Norway	3,154	192	0	0	0	0	0	0	0	0	0	192	3,346	108
Panama	0	0	0	0	0	0	0	0	251	0	0	251	251	8
Peru	379	0	0	0	0	0	0	0	721	0	0	721	1,100	35
Puerto Rico	0	0	30	0	0	0	0	0	0	0	377	407	407	13
Romania	0	0	0	0	1,817	0	0	0	0	0	0	1,817	1,817	59
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Spain	0	0	0	0	275	0	0	0	841	0	0	1,116	1,116	36
Sweden	0	0	0	0	0	0	0	0	204	0	0	204	204	7
Trinidad and Tobago	469	0	0	0	0	0	0	215	844	0	0	1,059	1,528	49
United Kingdom	4,739	2	0	0	238	0	0	183	220	0	1	644	5,383	174
Virgin Islands	0	0	0	290	1,360	359	72	1,010	1,617	0	0	4,708	4,708	152
Zaire	609	0	0	0	0	0	0	0	0	0	0	0	609	20
Subtotal Other	21,336	511	790	290	6,809	761	81	2,649	9,774	54	585	22,304	43,640	1,408
Total Imports	**37,252**	**812**	**2,031**	**290**	**10,009**	**1,523**	**81**	**5,566**	**13,767**	**54**	**1,270**	**35,403**	**72,655**	**2,344**
PAD District II														
Arab OPEC														
Algeria	542	0	0	0	0	0	0	0	0	0	0	0	542	17
Iraq	917	0	0	0	0	0	0	0	0	0	0	0	917	30
Saudi Arabia	530	0	0	0	0	0	0	0	0	0	0	0	530	17
Subtotal Arab OPEC	1,989	0	0	0	0	0	0	0	0	0	0	0	1,989	64
Other OPEC														
Nigeria	2,068	0	0	0	0	0	0	0	0	0	0	0	2,068	67
Venezuela	460	0	0	0	0	0	0	0	0	0	0	0	460	15
Subtotal Other OPEC	2,528	0	0	0	0	0	0	0	0	0	0	0	2,528	82
Other														
Canada	16,154	1,555	0	0	136	69	0	443	36	67	84	2,390	18,544	598
Mexico	1,250	0	0	0	0	0	0	0	0	0	0	0	1,250	40
South Africa	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Trinidad and Tobago	948	0	0	0	0	0	0	0	0	0	0	0	948	31
United Kingdom	1,530	0	0	0	0	0	0	0	0	0	0	0	1,530	49
Subtotal Other	19,882	1,555	0	0	136	69	0	443	36	67	90	2,396	22,278	719
Total Imports	**24,399**	**1,555**	**0**	**0**	**136**	**69**	**0**	**443**	**36**	**67**	**90**	**2,396**	**26,795**	**864**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	1,031	917	0	0	0	0	0	0	0	0	1,503	2,420	3,451	111
Kuwait	0	0	749	0	0	0	0	0	0	0	0	749	749	24
Saudi Arabia	10,715	0	1,018	0	0	0	0	0	0	0	0	1,018	11,733	378
United Arab Emirates	816	0	0	0	0	0	0	0	0	0	0	0	816	26
Subtotal Arab OPEC	12,562	917	1,767	0	0	0	0	0	0	0	1,503	4,187	16,749	540
Other OPEC														
Gabon	627	0	0	0	0	0	0	0	0	0	0	0	627	20
Indonesia	592	0	763	274	0	0	0	0	193	0	0	1,230	1,822	59
Iran	2,330	0	0	0	0	0	0	0	0	0	0	0	2,330	75
Nigeria	9,579	0	0	0	0	0	0	0	163	0	0	163	9,742	314
Venezuela	12,369	151	229	0	176	0	0	0	359	0	0	915	13,284	429
Subtotal Other OPEC	25,497	151	992	274	176	0	0	0	715	0	0	2,308	27,805	897
Other														
Angola	1,547	0	0	0	0	0	0	0	0	0	0	0	1,547	50
Argentina	0	0	0	0	0	0	0	0	0	136	0	136	136	4
Australia	0	192	0	0	0	0	0	0	254	0	0	446	446	14
Belgium	0	0	133	0	0	0	0	0	0	0	5	138	138	4
Brazil	0	0	0	3	232	0	0	0	0	37	0	272	272	9
Cameroon	512	0	0	0	0	0	0	0	0	0	0	0	512	17
Canada	0	0	46	0	0	0	0	0	0	0	0	46	46	1
China, People's Republic	1,572	0	0	0	0	0	0	0	0	0	0	0	1,572	51
Colombia	2,289	0	0	0	0	0	0	0	0	0	0	0	2,289	74
Congo	665	0	0	0	0	0	0	0	0	0	0	0	665	21
Egypt	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
France	0	0	0	0	0	0	0	0	0	0	17	17	17	1
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	268	0	0	0	0	0	0	540	0	808	808	26
Italy	0	0	426	0	0	0	0	0	272	0	103	801	801	26
Japan	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Mexico	11,947	268	0	0	0	0	0	0	240	0	20	528	12,475	402
Netherlands Antilles	0	32	0	0	0	0	0	0	0	0	0	32	32	1
Norway	0	0	271	0	0	0	0	0	0	0	0	271	271	9
Peru	0	0	206	0	0	0	0	0	0	0	0	206	206	7
Portugal	0	0	0	0	0	0	0	0	0	0	20	20	20	1
Puerto Rico	0	0	0	0	0	0	0	118	0	0	91	209	209	7
Singapore	0	0	499	0	0	0	0	0	0	0	0	499	499	16
Spain	0	0	227	0	0	0	0	0	0	0	15	242	242	8
Syria	544	0	0	0	0	0	0	0	0	0	0	0	544	18
Trinidad and Tobago	1,161	0	0	0	0	0	0	0	0	0	0	0	1,161	37
United Kingdom	5,193	34	0	0	0	0	0	0	0	0	0	34	5,227	169
Virgin Islands	0	0	1,625	0	0	0	0	0	278	37	0	1,940	1,940	63
Subtotal Other	25,650	526	3,701	3	232	0	0	118	1,044	750	282	6,656	32,306	1,042
Total Imports	**63,709**	**1,594**	**6,460**	**277**	**408**	**0**	**0**	**118**	**1,759**	**750**	**1,785**	**13,151**	**76,860**	**2,479**

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District IV														
Other														
Canada	2,183	232	0	0	61	0	0	105	1	0	99	498	2,681	86
Subtotal Other	2,183	232	0	0	61	0	0	105	1	0	99	498	2,681	86
Total Imports	**2,183**	**232**	**0**	**0**	**61**	**0**	**0**	**105**	**1**	**0**	**99**	**498**	**2,681**	**86**
PAD District V														
Arab OPEC														
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Subtotal Arab OPEC	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Other OPEC														
Indonesia	4,468	0	0	0	0	0	0	0	0	0	0	0	4,468	144
Venezuela	0	0	0	0	0	217	0	0	0	0	155	372	372	12
Subtotal Other OPEC	4,468	0	0	0	0	217	0	0	0	0	155	372	4,840	156
Other														
Australia	1,321	0	0	0	0	0	0	0	79	0	0	79	1,400	45
Canada	498	223	1	0	185	147	0	56	0	9	2	623	1,121	36
China, People's Republic	0	0	0	328	171	0	0	0	0	0	0	499	499	16
China, Taiwan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
India	0	0	253	0	0	0	0	0	0	0	0	253	253	8
Japan	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic	0	(s)	0	89	0	117	0	0	0	0	0	207	207	7
Mexico	0	0	0	0	0	0	0	0	0	0	160	160	160	5
Puerto Rico	0	0	0	0	0	0	0	0	0	0	24	24	24	1
Singapore	299	0	0	0	0	0	0	0	0	0	0	0	299	10
Thailand	420	0	0	0	0	0	0	0	0	0	0	0	420	14
Subtotal Other	2,538	224	254	417	356	265	0	56	79	9	222	1,882	4,420	143
Total Imports	**7,006**	**224**	**254**	**417**	**356**	**482**	**0**	**56**	**79**	**9**	**378**	**2,255**	**9,261**	**299**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[3] Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,442	638	682	0	0	0	0	1,852	1,455	0	1,349	5,976	7,418	247
Iraq	5,863	0	163	0	0	0	0	0	0	0	0	163	6,026	201
Saudi Arabia	18,024	0	3,548	0	1,629	261	0	0	0	0	0	5,438	23,462	782
United Arab Emirates	913	0	428	0	0	0	0	0	0	0	0	428	1,341	45
Subtotal Arab OPEC	26,242	638	4,821	0	1,629	261	0	1,852	1,455	0	1,349	12,005	38,247	1,275
Other OPEC														
Gabon	2,026	0	0	0	0	0	0	0	0	0	0	0	2,026	68
Indonesia	7,380	0	234	0	0	1	0	0	217	0	0	452	7,832	261
Iran	4,955	0	0	0	0	0	0	0	0	0	0	0	4,955	165
Nigeria	16,366	0	0	0	0	0	0	0	0	0	0	0	16,366	546
Venezuela	15,722	143	811	0	2,026	824	0	2,617	1,167	0	932	8,520	24,242	808
Subtotal Other OPEC	46,449	143	1,045	0	2,026	825	0	2,617	1,384	0	932	8,972	55,421	1,847
Other														
Angola	5,398	0	377	0	0	0	0	0	0	0	0	377	5,775	193
Argentina	0	0	0	0	0	0	0	0	0	62	19	81	81	3
Australia	603	0	0	0	0	0	0	0	59	0	51	110	713	24
Bahama Islands	0	0	0	0	0	0	0	0	671	0	0	671	671	22
Belgium	0	0	255	0	692	0	0	0	376	0	0	1,323	1,323	44
Brazil	0	0	0	0	1,512	0	0	0	315	22	15	1,864	1,864	62
Bulgaria	0	0	0	0	0	0	0	193	0	0	0	193	193	6
Cameroon	906	0	0	0	0	0	0	0	0	0	0	0	906	30
Canada	20,409	2,447	955	0	812	198	1	1,459	523	85	476	6,956	27,365	912
China, People's Republic	3,078	0	0	167	160	0	0	0	0	0	71	398	3,476	116
China, Taiwan	0	0	0	0	0	0	0	0	0	0	50	50	50	2
Colombia	2,837	0	0	0	0	0	0	0	1,471	0	0	1,471	4,308	144
Congo	607	0	0	0	0	0	0	0	167	0	0	167	774	26
Denmark	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Egypt	1,949	0	0	0	0	0	0	0	0	0	3	3	1,952	65
France	0	1	38	0	0	0	0	0	0	0	96	135	135	5
Germany, FD (W)	0	(s)	225	0	0	0	0	0	0	26	1	252	252	8
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	691	0	0	0	0	0	0	625	0	1,316	1,316	44
Israel	0	0	0	0	0	0	0	239	0	0	0	239	239	8
Italy	210	2	582	0	0	0	0	0	187	0	218	989	1,199	40
Japan	0	(s)	0	0	0	0	0	0	0	0	67	67	67	2
Korea, Republic	0	3	0	64	0	0	0	0	0	0	36	103	103	3
Mexico	18,612	341	245	69	0	252	0	0	0	0	393	1,300	19,912	664
Netherlands Antilles	0	0	0	0	275	2	0	0	0	0	98	375	375	13
Netherlands	0	1	574	0	106	0	0	0	738	8	30	1,457	1,457	49
Norway	3,224	0	143	0	0	0	0	0	0	0	0	143	3,367	112
Oman	349	0	0	0	0	0	0	0	0	0	0	0	349	12
Panama	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Peru	0	0	0	0	0	0	0	0	886	0	0	886	886	30
Puerto Rico	0	0	114	0	0	0	0	0	0	0	520	634	634	21
Romania	0	0	0	0	1,233	0	0	215	140	0	0	1,588	1,588	53
Singapore	0	0	368	0	0	0	0	0	171	0	0	539	539	18
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Spain	0	0	0	0	797	0	0	0	945	0	219	1,961	1,961	65
Sweden	0	0	154	0	210	0	0	0	0	0	22	386	386	13
Syria	23	0	0	0	0	0	0	0	0	0	0	0	23	1
Trinidad and Tobago	2,316	0	0	0	0	0	0	213	891	0	0	1,104	3,420	114
United Kingdom	9,904	(s)	323	0	195	0	0	0	881	3	1	1,403	11,307	377
U.S.S.R.	0	0	335	0	258	0	0	0	303	0	0	896	896	30
Virgin Islands	0	0	1,661	515	1,634	432	131	1,175	2,854	35	0	8,437	8,437	281
Zaire	1,081	0	0	0	0	0	0	0	0	0	0	0	1,081	36
Subtotal Other	71,506	2,796	7,040	815	7,884	884	132	3,494	11,588	866	2,388	37,887	109,393	3,646
Total Imports	**144,197**	**3,578**	**12,906**	**815**	**11,539**	**1,970**	**132**	**7,963**	**14,427**	**866**	**4,669**	**58,864**	**203,061**	**6,769**
							PAD District I							
Arab OPEC														
Algeria	528	106	337	0	0	0	0	1,852	1,455	0	0	3,750	4,278	143
Iraq	811	0	0	0	0	0	0	0	0	0	0	0	811	27
Saudi Arabia	3,388	0	0	0	1,118	260	0	0	0	0	0	1,378	4,766	159
Subtotal Arab OPEC	4,727	106	337	0	1,118	260	0	1,852	1,455	0	0	5,128	9,855	328
Other OPEC														
Gabon	807	0	0	0	0	0	0	0	0	0	0	0	807	27
Indonesia	1,053	0	0	0	0	0	0	0	0	0	0	0	1,053	35
Iran	452	0	0	0	0	0	0	0	0	0	0	0	452	15
Nigeria	2,179	0	0	0	0	0	0	0	0	0	0	0	2,179	73
Venezuela	3,789	0	0	0	1,671	571	0	2,617	1,167	0	790	6,816	10,605	354
Subtotal Other OPEC	8,280	0	0	0	1,671	571	0	2,617	1,167	0	790	6,816	15,096	503
Other														
Angola	2,048	0	0	0	0	0	0	0	0	0	0	0	2,048	68
Australia	0	0	0	0	0	0	0	0	0	0	51	51	51	2
Bahama Islands	0	0	0	0	0	0	0	0	671	0	0	671	671	22
Belgium	0	0	0	0	692	0	0	0	376	0	0	1,068	1,068	36
Brazil	0	0	0	0	1,512	0	0	0	315	0	3	1,830	1,830	61
Bulgaria	0	0	0	0	0	0	0	193	0	0	0	193	193	6
Cameroon	390	0	0	0	0	0	0	0	0	0	0	0	390	13
Canada	1,800	329	498	0	351	65	1	811	356	12	190	2,613	4,413	147
China, People's Republic	588	0	0	0	0	0	0	0	0	0	0	0	588	20
Colombia	0	0	0	0	0	0	0	0	1,471	0	0	1,471	1,471	49
Congo	0	0	0	0	0	0	0	0	167	0	0	167	167	6
Denmark	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Egypt	1,414	0	0	0	0	0	0	0	0	0	2	2	1,416	47
France	0	1	0	0	0	0	0	0	0	0	68	69	69	2
Germany, FD (W)	0	(s)	225	0	0	0	0	0	0	0	1	226	226	8
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Israel	0	0	0	0	0	0	0	239	0	0	0	239	239	8
Italy	210	(s)	0	0	0	0	0	0	187	0	0	187	397	13
Japan	0	0	0	0	0	0	0	0	0	0	31	31	31	1

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Korea, Republic	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
Mexico	2,033	0	0	69	0	88	0	0	0	0	223	380	2,413	80
Netherlands Antilles	0	0	0	0	275	2	0	0	0	0	85	362	362	12
Netherlands	0	1	176	0	106	0	0	0	738	0	0	1,021	1,021	34
Norway	2,669	0	87	0	0	0	0	0	0	0	0	87	2,756	92
Panama	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Peru	0	0	0	0	0	0	0	0	886	0	0	886	886	30
Puerto Rico	0	0	114	0	0	0	0	0	0	0	425	539	539	18
Romania	0	0	0	0	1,233	0	0	215	140	0	0	1,588	1,588	53
Singapore	0	0	368	0	0	0	0	0	171	0	0	539	539	18
Spain	0	0	0	0	797	0	0	0	945	0	0	1,742	1,742	58
Sweden	0	0	0	0	210	0	0	0	0	0	0	210	210	7
Syria	23	0	0	0	0	0	0	0	0	0	0	0	23	1
Trinidad and Tobago	895	0	0	0	0	0	0	213	891	0	0	1,104	1,999	67
United Kingdom	4,074	0	0	0	195	0	0	0	881	0	1	1,077	5,151	172
U.S.S.R.	0	0	0	0	258	0	0	0	303	0	0	561	561	19
Virgin Islands	0	0	326	515	1,634	432	131	1,175	2,854	0	0	7,067	7,067	236
Zaire	220	0	0	0	0	0	0	0	0	0	0	0	220	7
Subtotal Other	16,364	334	1,794	584	7,263	587	132	2,846	11,362	12	1,081	25,995	42,359	1,412
Total Imports	**29,371**	**440**	**2,131**	**584**	**10,052**	**1,418**	**132**	**7,315**	**13,984**	**12**	**1,871**	**37,939**	**67,310**	**2,244**
							PAD District II							
Arab OPEC														
Algeria	347	0	0	0	0	0	0	0	0	0	0	0	347	12
Iraq	1,117	0	0	0	0	0	0	0	0	0	0	0	1,117	37
Saudi Arabia	3,549	0	0	0	0	0	0	0	0	0	0	0	3,549	118
Subtotal Arab OPEC	5,013	0	0	0	0	0	0	0	0	0	0	0	5,013	167
Other OPEC														
Indonesia	121	0	0	0	0	0	0	0	0	0	0	0	121	4
Nigeria	5,648	0	0	0	0	0	0	0	0	0	0	0	5,648	188
Venezuela	484	0	0	0	0	218	0	0	0	0	0	218	702	23
Subtotal Other OPEC	6,253	0	0	0	0	218	0	0	0	0	0	218	6,471	216
Other														
Angola	828	0	0	0	0	0	0	0	0	0	0	0	828	28
Canada	16,752	1,648	146	0	64	55	0	456	166	58	162	2,755	19,507	650
Egypt	291	0	0	0	0	0	0	0	0	0	0	0	291	10
Italy	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Mexico	2,631	0	0	0	0	164	0	0	0	0	0	164	2,795	93
Norway	555	0	0	0	0	0	0	0	0	0	0	0	555	19
Trinidad and Tobago	471	0	0	0	0	0	0	0	0	0	0	0	471	16
United Kingdom	2,395	(s)	0	0	0	0	0	0	0	0	0	(s)	2,395	80
Subtotal Other	23,923	1,650	146	0	64	219	0	456	166	58	162	2,921	26,844	895
Total Imports	**35,189**	**1,650**	**146**	**0**	**64**	**437**	**0**	**456**	**166**	**58**	**162**	**3,139**	**38,328**	**1,278**

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III							
Arab OPEC														
Algeria	567	532	345	0	0	0	0	0	0	0	1,349	2,226	2,793	93
Iraq	3,935	0	163	0	0	0	0	0	0	0	0	163	4,098	137
Saudi Arabia	11,087	0	3,548	0	0	0	0	0	0	0	0	3,548	14,635	488
United Arab Emirates	913	0	428	0	0	0	0	0	0	0	0	428	1,341	45
Subtotal Arab OPEC	16,502	532	4,484	0	0	0	0	0	0	0	1,349	6,365	22,867	762
Other OPEC														
Gabon	1,219	0	0	0	0	0	0	0	0	0	0	0	1,219	41
Indonesia	1,987	0	234	0	0	0	0	0	217	0	0	451	2,438	81
Iran	4,503	0	0	0	0	0	0	0	0	0	0	0	4,503	150
Nigeria	8,539	0	0	0	0	0	0	0	0	0	0	0	8,539	285
Venezuela	11,449	143	811	0	355	0	0	0	0	0	142	1,451	12,900	430
Subtotal Other OPEC	27,697	143	1,045	0	355	0	0	0	217	0	142	1,902	29,599	987
Other														
Angola	2,522	0	377	0	0	0	0	0	0	0	0	377	2,899	97
Argentina	0	0	0	0	0	0	0	0	0	62	19	81	81	3
Belgium	0	0	255	0	0	0	0	0	0	0	0	255	255	9
Brazil	0	0	0	0	0	0	0	0	0	22	12	34	34	1
Cameroon	516	0	0	0	0	0	0	0	0	0	0	0	516	17
Canada	0	0	311	0	224	0	0	0	0	0	3	538	538	18
China, People's Republic	2,490	0	0	0	0	0	0	0	0	0	71	71	2,561	85
Colombia	2,837	0	0	0	0	0	0	0	0	0	0	0	2,837	95
Congo	607	0	0	0	0	0	0	0	0	0	0	0	607	20
Egypt	244	0	0	0	0	0	0	0	0	0	1	1	245	8
France	0	0	38	0	0	0	0	0	0	0	28	66	66	2
Germany, FD (W)	0	0	0	0	0	0	0	0	0	26	0	26	26	1
India	0	0	691	0	0	0	0	0	0	625	0	1,316	1,316	44
Italy	0	0	582	0	0	0	0	0	0	0	218	800	800	27
Mexico	13,948	341	245	0	0	0	0	0	0	0	21	607	14,555	485
Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	13	13	13	(s)
Netherlands	0	0	398	0	0	0	0	0	0	8	30	436	436	15
Norway	0	0	56	0	0	0	0	0	0	0	0	56	56	2
Oman	349	0	0	0	0	0	0	0	0	0	0	0	349	12
Puerto Rico	0	0	0	0	0	0	0	0	0	0	95	95	95	3
Spain	0	0	0	0	0	0	0	0	0	0	219	219	219	7
Sweden	0	0	154	0	0	0	0	0	0	0	22	176	176	6
Trinidad and Tobago	950	0	0	0	0	0	0	0	0	0	0	0	950	32
United Kingdom	3,435	0	323	0	0	0	0	0	0	3	0	326	3,761	125
U.S.S.R.	0	0	335	0	0	0	0	0	0	0	0	335	335	11
Virgin Islands	0	0	1,335	0	0	0	0	0	0	35	0	1,370	1,370	46
Zaire	861	0	0	0	0	0	0	0	0	0	0	0	861	29
Subtotal Other	28,759	341	5,100	0	224	0	0	0	0	781	752	7,198	35,957	1,199
Total Imports	**72,958**	**1,017**	**10,629**	**0**	**579**	**0**	**0**	**0**	**217**	**781**	**2,243**	**15,466**	**88,424**	**2,947**

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District IV													
Other														
Canada	1,632	277	0	0	65	0	0	59	1	0	106	508	2,140	71
Subtotal Other	1,632	277	0	0	65	0	0	59	1	0	106	508	2,140	71
Total Imports	**1,632**	**277**	**0**	**0**	**65**	**0**	**0**	**59**	**1**	**0**	**106**	**508**	**2,140**	**71**
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	511	1	0	0	0	0	0	512	512	17
Subtotal Arab OPEC	0	0	0	0	511	1	0	0	0	0	0	512	512	17
Other OPEC														
Indonesia	4,219	0	0	0	0	1	0	0	0	0	0	1	4,220	141
Venezuela	0	0	0	0	0	35	0	0	0	0	0	35	35	1
Subtotal Other OPEC	4,219	0	0	0	0	36	0	0	0	0	0	36	4,255	142
Other														
Australia	603	0	0	0	0	0	0	0	59	0	0	59	662	22
Canada	225	194	0	0	108	78	0	133	0	15	15	543	768	26
China, People's Republic	0	0	0	167	160	0	0	0	0	0	0	327	327	11
China, Taiwan	0	0	0	0	0	0	0	0	0	0	50	50	50	2
Japan	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic	0	0	0	64	0	0	0	0	0	0	36	100	100	3
Mexico	0	0	0	0	0	0	0	0	0	0	149	149	149	5
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Subtotal Other	828	195	0	231	268	78	0	133	59	15	287	1,266	2,094	70
Total Imports	**5,047**	**195**	**0**	**231**	**779**	**115**	**0**	**133**	**59**	**15**	**287**	**1,814**	**6,861**	**229**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,665	1,814	1,023	0	0	0	0	2,098	1,757	0	1,401	8,093	10,758	347
Iraq	1,912	0	0	0	0	0	0	0	0	0	0	0	1,912	62
Kuwait	1,777	0	0	0	0	0	0	0	10	0	0	10	1,787	58
Saudi Arabia	19,863	571	1,286	0	1,025	157	0	0	504	35	0	3,578	23,441	756
United Arab Emirates	1,292	0	0	0	0	0	0	0	0	0	0	0	1,292	42
Subtotal Arab OPEC	27,509	2,385	2,309	0	1,025	157	0	2,098	2,271	35	1,401	11,681	39,190	1,264
Other OPEC														
Gabon	1,179	0	0	0	0	0	0	0	0	0	0	0	1,179	38
Indonesia	10,048	0	261	259	0	0	0	0	240	0	0	760	10,808	349
Iran	7,345	0	0	0	0	0	0	0	0	0	0	0	7,345	237
Nigeria	23,826	0	323	0	0	0	0	0	343	0	45	711	24,537	792
Venezuela	17,298	0	480	133	2,437	416	0	2,884	2,090	0	723	9,163	26,461	854
Subtotal Other OPEC	59,696	0	1,064	392	2,437	416	0	2,884	2,673	0	768	10,634	70,330	2,269
Other														
Angola	7,329	0	0	0	0	0	0	0	343	0	0	343	7,672	247
Argentina	0	0	0	0	0	0	0	0	0	48	0	48	48	2
Australia	869	0	0	0	0	0	0	0	0	0	0	0	869	28
Bahama Islands	0	0	0	0	0	0	0	0	1,429	0	0	1,429	1,429	46
Belgium	0	0	472	0	501	0	0	0	866	0	4	1,843	1,843	59
Benin	371	0	0	0	0	0	0	0	0	0	0	0	371	12
Bermuda	0	0	7	0	0	0	0	0	0	0	0	7	7	(s)
Brazil	0	0	0	0	2,832	0	0	0	0	1	46	2,879	2,879	93
Cameroon	1,182	0	0	0	0	0	0	0	301	0	0	301	1,483	48
Canada	20,845	2,426	23	0	714	292	2	1,941	1,082	113	499	7,092	27,937	901
China, People's Republic	2,174	0	0	313	651	0	0	0	0	0	35	999	3,173	102
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Colombia	3,130	0	0	0	0	0	0	0	1,130	0	0	1,130	4,260	137
Congo	739	0	0	0	0	0	0	0	165	0	0	165	904	29
Egypt	4,490	0	0	0	0	0	0	0	0	0	0	0	4,490	145
France	0	1	0	0	158	0	0	289	128	0	268	844	844	27
Germany, FD (W)	0	1	0	0	0	0	0	0	0	1	2	4	4	(s)
Greece	0	0	0	0	176	0	0	0	0	0	0	176	176	6
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	251	0	0	0	0	0	0	0	0	251	251	8
Israel	0	0	0	0	272	0	0	0	0	0	0	272	272	9
Italy	0	0	553	0	803	0	0	218	333	0	7	1,914	1,914	62
Japan	0	38	0	0	0	0	0	0	0	0	1	39	39	1
Korea, Republic	0	(s)	0	0	0	200	0	0	0	0	0	200	200	6
Liberia	0	0	0	0	0	0	0	259	0	0	0	259	259	8
Malaysia	332	0	0	0	0	0	0	0	0	0	0	0	332	11
Mauritania	0	0	0	0	0	0	0	0	146	0	0	146	146	5
Mexico	18,955	601	204	0	0	224	0	273	387	0	437	2,126	21,081	680
Netherlands Antilles	0	0	0	0	758	414	0	284	690	0	70	2,216	2,216	71
Netherlands	0	0	334	0	1,555	0	0	0	445	0	185	2,519	2,519	81
Norway	2,173	0	0	0	0	0	0	0	333	0	0	333	2,506	81
Oman	2,679	0	0	0	0	0	0	0	0	0	0	0	2,679	86

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Panama	0	0	210	0	0	0	0	0	0	0	0	210	210	7
Puerto Rico	0	0	69	0	0	0	0	0	0	0	473	542	542	17
Romania	0	0	0	868	0	0	0	0	857	0	0	1,725	1,725	56
Singapore	0	0	357	0	0	99	0	0	830	0	0	1,286	1,286	41
South Africa	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
Spain	0	0	0	0	1,079	0	0	0	602	0	221	1,902	1,902	61
Sweden	0	0	0	0	190	0	0	0	281	0	0	471	471	15
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Syria	0	0	995	0	0	0	0	0	676	0	0	1,671	1,671	54
Thailand	539	0	0	0	0	0	0	0	0	0	0	0	539	17
Trinidad and Tobago	2,313	0	0	0	0	79	0	0	650	0	0	729	3,042	98
Turkey	0	0	358	0	0	0	0	0	0	0	58	416	416	13
United Kingdom	7,888	436	0	0	277	0	0	742	1,615	0	1	3,071	10,959	354
U.S.S.R.	0	0	0	0	0	0	0	0	264	0	0	264	264	9
Virgin Islands	0	0	580	393	583	375	355	2,812	3,844	0	0	8,942	8,942	288
Zaire	698	0	0	0	0	0	0	0	0	0	0	0	698	23
Subtotal Other	76,926	3,503	4,413	1,574	10,549	1,683	357	6,818	17,397	163	2,315	48,772	125,698	4,055
Total Imports	**164,131**	**5,889**	**7,786**	**1,966**	**14,011**	**2,256**	**357**	**11,800**	**22,341**	**198**	**4,484**	**71,088**	**235,219**	**7,588**
	PAD District I													
Arab OPEC														
Algeria	456	291	1,023	0	0	0	0	2,098	1,757	0	0	5,169	5,625	181
Saudi Arabia	2,388	0	0	0	1,025	157	0	0	504	0	0	1,686	4,074	131
United Arab Emirates	353	0	0	0	0	0	0	0	0	0	0	0	353	11
Subtotal Arab OPEC	3,197	291	1,023	0	1,025	157	0	2,098	2,261	0	0	6,855	10,052	324
Other OPEC														
Indonesia	2,168	0	0	0	0	0	0	0	0	0	0	0	2,168	70
Nigeria	6,902	0	0	0	0	0	0	0	343	0	45	388	7,290	235
Venezuela	4,838	0	0	133	2,321	207	0	2,884	2,090	0	579	8,214	13,052	421
Subtotal Other OPEC	13,908	0	0	133	2,321	207	0	2,884	2,433	0	624	8,602	22,510	726
Other														
Angola	3,334	0	0	0	0	0	0	0	343	0	0	343	3,677	119
Bahama Islands	0	0	0	0	0	0	0	0	1,429	0	0	1,429	1,429	46
Belgium	0	0	310	0	501	0	0	0	608	0	0	1,419	1,419	46
Brazil	0	0	0	0	2,832	0	0	0	0	0	46	2,878	2,878	93
Cameroon	0	0	0	0	0	0	0	0	301	0	0	301	301	10
Canada	1,966	298	2	0	273	0	2	1,406	803	14	268	3,066	5,032	162
China, People's Republic	678	0	0	0	156	0	0	0	0	0	0	156	834	27
Colombia	431	0	0	0	0	0	0	0	1,130	0	0	1,130	1,561	50
Congo	0	0	0	0	0	0	0	0	165	0	0	165	165	5
Egypt	3,321	0	0	0	0	0	0	0	0	0	0	0	3,321	107
France	0	1	0	0	158	0	0	288	128	0	183	758	758	24
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	2	3	3	(s)
Greece	0	0	0	0	176	0	0	0	0	0	0	176	176	6

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Israel	0	0	0	0	272	0	0	0	0	0	0	272	272	9
Italy	0	0	0	0	803	0	0	218	333	0	7	1,361	1,361	44
Japan	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Liberia	0	0	0	0	0	0	0	259	0	0	0	259	259	8
Mauritania	0	0	0	0	0	0	0	0	146	0	0	146	146	5
Mexico	2,080	0	0	0	0	192	0	273	0	0	237	702	2,782	90
Netherlands Antilles	0	0	0	0	758	414	0	284	690	0	52	2,198	2,198	71
Netherlands	0	0	0	0	1,555	0	0	0	445	0	185	2,185	2,185	70
Norway	2,173	0	0	0	0	0	0	0	333	0	0	333	2,506	81
Puerto Rico	0	0	69	0	0	0	0	0	0	0	328	397	397	13
Romania	0	0	0	868	0	0	0	0	857	0	0	1,725	1,725	56
Singapore	0	0	0	0	0	0	0	0	587	0	0	587	587	19
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Spain	0	0	0	0	1,079	0	0	0	602	0	221	1,902	1,902	61
Sweden	0	0	0	0	190	0	0	0	281	0	0	471	471	15
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Syria	0	0	0	0	0	0	0	0	322	0	0	322	322	10
Trinidad and Tobago	0	0	0	0	0	79	0	0	650	0	0	729	729	24
United Kingdom	5,033	284	0	0	277	0	0	742	1,615	0	1	2,919	7,952	257
U.S.S.R.	0	0	0	0	0	0	0	0	264	0	0	264	264	9
Virgin Islands	0	0	317	340	583	375	355	2,188	3,844	0	0	8,002	8,002	258
Zaire	698	0	0	0	0	0	0	0	0	0	0	0	698	23
Subtotal Other	19,714	584	698	1,208	9,613	1,060	357	5,658	15,876	14	1,537	36,605	56,319	1,817
Total Imports	**36,819**	**876**	**1,721**	**1,341**	**12,959**	**1,424**	**357**	**10,640**	**20,570**	**14**	**2,161**	**52,063**	**88,882**	**2,867**
PAD District II														
Arab OPEC														
Algeria	618	0	0	0	0	0	0	0	0	0	0	0	618	20
Iraq	1,116	0	0	0	0	0	0	0	0	0	0	0	1,116	36
Saudi Arabia	3,490	0	0	0	0	0	0	0	0	0	0	0	3,490	113
Subtotal Arab OPEC	5,224	0	0	0	0	0	0	0	0	0	0	0	5,224	169
Other OPEC														
Iran	495	0	0	0	0	0	0	0	0	0	0	0	495	16
Nigeria	4,167	0	0	0	0	0	0	0	0	0	0	0	4,167	134
Venezuela	252	0	0	0	0	0	0	0	0	0	0	0	252	8
Subtotal Other OPEC	4,914	0	0	0	0	0	0	0	0	0	0	0	4,914	159
Other														
Angola	659	0	0	0	0	0	0	0	0	0	0	0	659	21
Canada	16,192	1,734	0	0	115	83	0	382	276	43	85	2,718	18,910	610
Egypt	834	0	0	0	0	0	0	0	0	0	0	0	834	27
Mexico	3,362	0	0	0	0	0	0	0	0	0	0	0	3,362	108
Oman	377	0	0	0	0	0	0	0	0	0	0	0	377	12
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District II (continued)							
Other (continued)														
Trinidad and Tobago	700	0	0	0	0	0	0	0	0	0	0	0	700	23
United Kingdom	579	0	0	0	0	0	0	0	0	0	0	0	579	19
Subtotal Other	22,703	1,734	0	0	115	83	0	382	276	43	86	2,719	25,422	820
Total Imports	**32,841**	**1,734**	**0**	**0**	**115**	**83**	**0**	**382**	**276**	**43**	**86**	**2,719**	**35,560**	**1,147**
							PAD District III							
Arab OPEC														
Algeria	1,591	1,523	0	0	0	0	0	0	0	0	1,401	2,924	4,515	146
Iraq	796	0	0	0	0	0	0	0	0	0	0	0	796	26
Kuwait	1,777	0	0	0	0	0	0	0	10	0	0	10	1,787	58
Saudi Arabia	13,985	571	1,286	0	0	0	0	0	0	35	0	1,892	15,877	512
United Arab Emirates	939	0	0	0	0	0	0	0	0	0	0	0	939	30
Subtotal Arab OPEC	19,088	2,094	1,286	0	0	0	0	0	10	35	1,401	4,826	23,914	771
Other OPEC														
Gabon	1,179	0	0	0	0	0	0	0	0	0	0	0	1,179	38
Indonesia	3,544	0	261	259	0	0	0	0	240	0	0	760	4,304	139
Iran	6,850	0	0	0	0	0	0	0	0	0	0	0	6,850	221
Nigeria	12,757	0	323	0	0	0	0	0	0	0	0	323	13,080	422
Venezuela	12,208	0	480	0	116	0	0	0	0	0	30	626	12,834	414
Subtotal Other OPEC	36,538	0	1,064	259	116	0	0	0	240	0	30	1,709	38,247	1,234
Other														
Angola	3,336	0	0	0	0	0	0	0	0	0	0	0	3,336	108
Argentina	0	0	0	0	0	0	0	0	0	48	0	48	48	2
Australia	869	0	0	0	0	0	0	0	0	0	0	0	869	28
Belgium	0	0	162	0	0	0	0	0	258	0	4	424	424	14
Benin	371	0	0	0	0	0	0	0	0	0	0	0	371	12
Bermuda	0	0	7	0	0	0	0	0	0	0	0	7	7	(s)
Brazil	0	0	0	0	0	0	0	0	0	1	0	1	1	(s)
Cameroon	1,182	0	0	0	0	0	0	0	0	0	0	0	1,182	38
Canada	0	0	20	0	0	0	0	0	0	40	46	106	106	3
China, People's Republic	1,496	0	0	0	0	0	0	0	0	0	35	35	1,531	49
Colombia	2,699	0	0	0	0	0	0	0	0	0	0	0	2,699	87
Congo	739	0	0	0	0	0	0	0	0	0	0	0	739	24
Egypt	335	0	0	0	0	0	0	0	0	0	0	0	335	11
France	0	0	0	0	0	0	0	1	0	0	85	86	86	3
Germany, FD (W)	0	0	0	0	0	0	0	0	0	1	0	1	1	(s)
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	251	0	0	0	0	0	0	0	0	251	251	8
Italy	0	0	553	0	0	0	0	0	0	0	0	553	553	18
Japan	0	37	0	0	0	0	0	0	0	0	0	37	37	1
Mexico	13,513	601	204	0	0	32	0	0	387	0	27	1,251	14,764	476
Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	18	18	18	1
Netherlands	0	0	334	0	0	0	0	0	0	0	0	334	334	11
Oman	2,302	0	0	0	0	0	0	0	0	0	0	0	2,302	74

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District III (continued)														
Other (continued)														
Panama	0	0	210	0	0	0	0	0	0	0	0	210	210	7
Puerto Rico	0	0	0	0	0	0	0	0	0	0	121	121	121	4
Singapore	0	0	357	0	0	0	0	0	0	0	0	357	357	12
Syria	0	0	995	0	0	0	0	0	354	0	0	1,349	1,349	44
Thailand	539	0	0	0	0	0	0	0	0	0	0	0	539	17
Trinidad and Tobago	1,613	0	0	0	0	0	0	0	0	0	0	0	1,613	52
Turkey	0	0	358	0	0	0	0	0	0	0	58	416	416	13
United Kingdom	2,276	151	0	0	0	0	0	0	0	0	0	151	2,427	78
Virgin Islands	0	0	263	53	0	0	0	624	0	0	0	940	940	30
Subtotal Other	31,490	790	3,714	53	0	32	0	625	999	90	394	6,697	38,187	1,232
Total Imports	**87,116**	**2,884**	**6,064**	**312**	**116**	**32**	**0**	**625**	**1,249**	**125**	**1,825**	**13,232**	**100,348**	**3,237**
PAD District IV														
Other														
Canada	2,338	271	0	0	75	0	0	59	3	0	72	480	2,818	91
Subtotal Other	2,338	271	0	0	75	0	0	59	3	0	72	480	2,818	91
Total Imports	**2,338**	**271**	**0**	**0**	**75**	**0**	**0**	**59**	**3**	**0**	**72**	**480**	**2,818**	**91**
PAD District V														
Other OPEC														
Indonesia	4,336	0	0	0	0	0	0	0	0	0	0	0	4,336	140
Venezuela	0	0	0	0	0	209	0	0	0	0	114	323	323	10
Subtotal Other OPEC	4,336	0	0	0	0	209	0	0	0	0	114	323	4,659	150
Other														
Canada	349	123	1	0	251	209	0	94	0	16	28	722	1,071	35
China, People's Republic	0	0	0	313	495	0	0	0	0	0	0	808	808	26
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Japan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Korea, Republic	0	(s)	0	0	0	200	0	0	0	0	0	200	200	6
Malaysia	332	0	0	0	0	0	0	0	0	0	0	0	332	11
Mexico	0	0	0	0	0	0	0	0	0	0	173	173	173	6
Puerto Rico	0	0	0	0	0	0	0	0	0	0	24	24	24	1
Singapore	0	0	0	0	0	99	0	0	243	0	0	342	342	11
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Subtotal Other	681	124	1	313	746	508	0	94	243	16	226	2,270	2,951	95
Total Imports	**5,017**	**124**	**1**	**313**	**746**	**717**	**0**	**94**	**243**	**16**	**340**	**2,593**	**7,610**	**245**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[3] Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,370	1,046	0	0	0	0	0	228	2,641	0	1,457	5,372	7,742	250
Iraq	4,299	0	0	0	0	0	0	0	0	0	0	0	4,299	139
Kuwait	3,960	933	0	0	0	0	0	0	0	0	0	933	4,893	158
Saudi Arabia	26,817	(s)	1,164	0	1,509	311	0	0	0	0	0	2,984	29,801	961
United Arab Emirates	2,713	490	0	0	0	0	0	0	0	0	0	490	3,203	103
Subtotal Arab OPEC	40,159	2,470	1,164	0	1,509	311	0	228	2,641	0	1,457	9,780	49,939	1,611
Other OPEC														
Gabon	1,688	0	0	0	0	0	0	0	0	0	0	0	1,688	54
Indonesia	9,667	0	0	0	0	0	0	0	0	0	0	0	9,667	312
Iran	6,435	0	0	0	0	0	0	0	0	0	0	0	6,435	208
Nigeria	22,488	0	0	0	0	0	0	0	199	0	0	199	22,687	732
Venezuela	16,306	556	990	370	2,179	463	0	2,294	1,726	0	887	9,465	25,771	831
Subtotal Other OPEC	56,584	556	990	370	2,179	463	0	2,294	1,925	0	887	9,664	66,248	2,137
Other														
Angola	7,746	0	0	0	0	0	0	0	414	0	0	414	8,160	263
Argentina	0	0	0	0	0	0	0	0	0	30	0	30	30	1
Australia	2,302	0	0	0	0	0	0	0	255	0	62	317	2,619	84
Bahama Islands	0	0	0	0	0	0	0	199	636	0	0	835	835	27
Belgium	0	0	887	0	486	0	0	0	472	0	1	1,846	1,846	60
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	0	2,574	0	0	0	532	67	58	3,231	3,231	104
Brunei	403	0	0	0	0	0	0	0	0	0	0	0	403	13
Cameroon	2,222	0	0	0	0	0	0	0	335	0	0	335	2,557	82
Canada	19,003	2,554	22	0	884	142	5	1,961	750	240	518	7,076	26,079	841
China, People's Republic	2,177	0	0	695	0	0	0	0	0	0	20	715	2,892	93
China, Taiwan	0	3	0	0	0	0	0	0	0	0	23	26	26	1
Colombia	4,425	0	261	0	0	0	0	121	721	17	0	1,120	5,545	179
Congo	1,414	0	0	0	0	0	0	0	0	0	0	0	1,414	46
Egypt	3,216	0	0	0	0	0	0	0	0	0	3	3	3,219	104
Finland	0	0	0	0	162	0	0	0	0	0	0	162	162	5
France	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Germany, FD (W)	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Ghana	0	0	0	0	0	0	0	0	108	0	0	108	108	3
Greece	0	0	333	0	0	0	0	63	0	0	0	396	396	13
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	595	0	0	0	0	0	0	646	0	1,241	1,241	40
Israel	0	0	0	0	0	0	0	0	0	32	0	32	32	1
Italy	0	0	772	0	1,004	0	0	0	338	0	1	2,115	2,115	68
Ivory Coast	0	0	0	0	0	0	0	0	0	0	140	140	140	5
Japan	0	0	0	0	0	0	0	0	0	4	14	18	18	1
Korea, Republic	0	(s)	357	0	0	0	0	0	0	0	0	357	357	12
Mexico	16,718	334	221	0	0	456	0	0	0	0	173	1,184	17,902	577
Netherlands Antilles	0	0	0	0	0	3	0	251	1,190	0	143	1,587	1,587	51
Netherlands	0	1	167	0	429	0	0	0	0	0	19	616	616	20
Norway	1,330	0	287	0	339	0	0	0	0	0	0	626	1,956	63
Oman	1,625	0	0	0	0	0	0	0	0	0	0	0	1,625	52
Peru	0	0	191	0	0	0	0	0	636	0	0	827	827	27

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
All PAD Districts (continued)														
Other (continued)														
Puerto Rico	0	0	115	0	0	0	0	0	0	0	501	616	616	20
Romania	0	0	0	1,664	255	0	0	0	0	0	251	2,170	2,170	70
Singapore	0	0	484	0	0	0	0	0	401	0	0	885	885	29
South Africa	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Spain	0	0	439	0	553	0	0	0	295	0	0	1,287	1,287	42
Syria	1	0	441	0	0	0	0	0	324	0	0	765	766	25
Trinidad and Tobago	2,309	0	0	0	65	55	0	0	665	0	0	785	3,094	100
United Kingdom	8,518	206	0	0	231	0	0	0	0	0	0	437	8,955	289
Virgin Islands	0	0	721	321	1,599	252	540	1,765	3,243	66	0	8,507	8,507	274
Zaire	650	0	0	0	0	0	0	0	0	0	0	0	650	21
Subtotal Other	74,059	3,101	6,294	2,680	8,581	908	545	4,360	11,315	1,102	1,934	40,820	114,879	3,706
Total Imports	**170,802**	**6,127**	**8,448**	**3,050**	**12,269**	**1,682**	**545**	**6,882**	**15,881**	**1,102**	**4,278**	**60,264**	**231,066**	**7,454**
PAD District I														
Arab OPEC														
Algeria	0	86	0	0	0	0	0	228	2,641	0	0	2,955	2,955	95
Kuwait	555	97	0	0	0	0	0	0	0	0	0	97	652	21
Saudi Arabia	7,519	(s)	0	0	1,509	311	0	0	0	0	0	1,820	9,339	301
United Arab Emirates	739	0	0	0	0	0	0	0	0	0	0	0	739	24
Subtotal Arab OPEC	8,813	184	0	0	1,509	311	0	228	2,641	0	0	4,873	13,686	441
Other OPEC														
Gabon	507	0	0	0	0	0	0	0	0	0	0	0	507	16
Indonesia	2,369	0	0	0	0	0	0	0	0	0	0	0	2,369	76
Nigeria	8,364	0	0	0	0	0	0	0	0	0	0	0	8,364	270
Venezuela	3,783	99	0	143	1,157	190	0	2,079	1,726	0	887	6,281	10,064	325
Subtotal Other OPEC	15,023	99	0	143	1,157	190	0	2,079	1,726	0	887	6,281	21,304	687
Other														
Angola	3,200	0	0	0	0	0	0	0	414	0	0	414	3,614	117
Australia	577	0	0	0	0	0	0	0	255	0	49	304	881	28
Bahama Islands	0	0	0	0	0	0	0	199	636	0	0	835	835	27
Belgium	0	0	887	0	486	0	0	0	472	0	0	1,845	1,845	60
Brazil	0	0	0	0	1,951	0	0	0	532	0	58	2,541	2,541	82
Brunei	130	0	0	0	0	0	0	0	0	0	0	0	130	4
Cameroon	1,223	0	0	0	0	0	0	0	335	0	0	335	1,558	50
Canada	1,544	234	2	0	625	51	5	1,470	475	118	346	3,326	4,870	157
China, People's Republic	743	0	0	0	0	0	0	0	0	0	20	20	763	25
Colombia	405	0	0	0	0	0	0	121	721	0	0	842	1,247	40
Congo	744	0	0	0	0	0	0	0	0	0	0	0	744	24
Egypt	1,434	0	0	0	0	0	0	0	0	0	1	1	1,435	46
Finland	0	0	0	0	162	0	0	0	0	0	0	162	162	5
France	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Germany, FD (W)	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Ghana	0	0	0	0	0	0	0	0	108	0	0	108	108	3
Greece	0	0	0	0	0	0	0	63	0	0	0	63	63	2

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Italy	0	0	0	0	1,004	0	0	0	48	0	1	1,053	1,053	34
Ivory Coast	0	0	0	0	0	0	0	0	0	0	140	140	140	5
Japan	0	0	0	0	0	0	0	0	0	4	8	12	12	(s)
Mexico	1,965	0	0	0	0	387	0	0	0	0	0	387	2,352	76
Netherlands Antilles	0	0	0	0	0	3	0	251	1,190	0	107	1,551	1,551	50
Netherlands	0	1	167	0	429	0	0	0	0	0	0	597	597	19
Norway	498	0	0	0	339	0	0	0	0	0	0	339	837	27
Peru	0	0	0	0	0	0	0	0	636	0	0	636	636	21
Puerto Rico	0	0	115	0	0	0	0	0	0	0	379	494	494	16
Romania	0	0	0	1,664	255	0	0	0	0	0	251	2,170	2,170	70
Singapore	0	0	105	0	0	0	0	0	0	0	0	105	105	3
South Africa	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Spain	0	0	0	0	553	0	0	0	295	0	0	848	848	27
Syria	1	0	0	0	0	0	0	0	324	0	0	324	325	10
Trinidad and Tobago	892	0	0	0	0	55	0	0	665	0	0	720	1,612	52
United Kingdom	3,292	205	0	0	231	0	0	0	0	0	0	436	3,728	120
Virgin Islands	0	0	721	321	1,599	252	308	1,765	3,243	0	0	8,209	8,209	265
Zaire	650	0	0	0	0	0	0	0	0	0	0	0	650	21
Subtotal Other	17,298	443	1,997	1,985	7,634	748	313	3,869	10,349	122	1,367	28,826	46,124	1,488
Total Imports	**41,134**	**725**	**1,997**	**2,128**	**10,300**	**1,249**	**313**	**6,176**	**14,716**	**122**	**2,254**	**39,980**	**81,114**	**2,617**
							PAD District II							
Arab OPEC														
Algeria	555	0	0	0	0	0	0	0	0	0	0	0	555	18
Iraq	1,001	0	0	0	0	0	0	0	0	0	0	0	1,001	32
Kuwait	503	0	0	0	0	0	0	0	0	0	0	0	503	16
Saudi Arabia	3,431	0	0	0	0	0	0	0	0	0	0	0	3,431	111
Subtotal Arab OPEC	5,490	0	0	0	0	0	0	0	0	0	0	0	5,490	177
Other OPEC														
Nigeria	6,425	0	0	0	0	0	0	0	0	0	0	0	6,425	207
Subtotal Other OPEC	6,425	0	0	0	0	0	0	0	0	0	0	0	6,425	207
Other														
Angola	344	0	0	0	0	0	0	0	0	0	0	0	344	11
Canada	15,288	1,927	20	0	76	79	0	333	274	40	86	2,835	18,123	585
Colombia	802	0	0	0	0	0	0	0	0	0	0	0	802	26
Egypt	706	0	0	0	0	0	0	0	0	0	0	0	706	23
Mexico	1,514	0	0	0	0	69	0	0	0	0	0	69	1,583	51
Norway	360	0	0	0	0	0	0	0	0	0	0	0	360	12
Trinidad and Tobago	474	0	0	0	0	0	0	0	0	0	0	0	474	15
United Kingdom	564	2	0	0	0	0	0	0	0	0	0	2	566	18
Subtotal Other	20,052	1,928	20	0	76	148	0	333	274	40	86	2,906	22,958	741
Total Imports	**31,967**	**1,928**	**20**	**0**	**76**	**148**	**0**	**333**	**274**	**40**	**86**	**2,906**	**34,873**	**1,125**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products By Source and PAD District, 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	1,815	960	0	0	0	0	0	0	0	0	1,457	2,417	4,232	137
Iraq	3,298	0	0	0	0	0	0	0	0	0	0	0	3,298	106
Kuwait	2,902	836	0	0	0	0	0	0	0	0	0	836	3,738	121
Saudi Arabia	15,867	0	1,164	0	0	0	0	0	0	0	0	1,164	17,031	549
United Arab Emirates	1,974	490	0	0	0	0	0	0	0	0	0	490	2,464	79
Subtotal Arab OPEC	25,856	2,286	1,164	0	0	0	0	0	0	0	1,457	4,907	30,763	992
Other OPEC														
Gabon	1,181	0	0	0	0	0	0	0	0	0	0	0	1,181	38
Indonesia	3,305	0	0	0	0	0	0	0	0	0	0	0	3,305	107
Iran	6,435	0	0	0	0	0	0	0	0	0	0	0	6,435	208
Nigeria	7,699	0	0	0	0	0	0	0	199	0	0	199	7,898	255
Venezuela	12,523	457	990	227	1,022	55	0	0	0	0	0	2,751	15,274	493
Subtotal Other OPEC	31,143	457	990	227	1,022	55	0	0	199	0	0	2,950	34,093	1,100
Other														
Angola	4,202	0	0	0	0	0	0	0	0	0	0	0	4,202	136
Argentina	0	0	0	0	0	0	0	0	0	30	0	30	30	1
Australia	456	0	0	0	0	0	0	0	0	0	13	13	469	15
Belgium	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	0	623	0	0	0	0	67	0	690	690	22
Cameroon	999	0	0	0	0	0	0	0	0	0	0	0	999	32
Canada	0	0	0	0	0	0	0	0	0	75	61	136	136	4
China, People's Republic	1,434	0	0	0	0	0	0	0	0	0	0	0	1,434	46
Colombia	3,218	0	261	0	0	0	0	0	0	17	0	278	3,496	113
Congo	670	0	0	0	0	0	0	0	0	0	0	0	670	22
Egypt	1,076	0	0	0	0	0	0	0	0	0	2	2	1,078	35
Greece	0	0	333	0	0	0	0	0	0	0	0	333	333	11
India	0	0	595	0	0	0	0	0	0	646	0	1,241	1,241	40
Israel	0	0	0	0	0	0	0	0	0	32	0	32	32	1
Italy	0	0	626	0	0	0	0	0	290	0	0	916	916	30
Japan	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Korea, Republic	0	0	357	0	0	0	0	0	0	0	0	357	357	12
Mexico	13,239	334	221	0	0	0	0	0	0	0	13	568	13,807	445
Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	36	36	36	1
Netherlands	0	0	0	0	0	0	0	0	0	0	19	19	19	1
Norway	472	0	287	0	0	0	0	0	0	0	0	287	759	24
Oman	1,625	0	0	0	0	0	0	0	0	0	0	0	1,625	52
Peru	0	0	191	0	0	0	0	0	0	0	0	191	191	6
Puerto Rico	0	0	0	0	0	0	0	0	0	0	77	77	77	2
Singapore	0	0	379	0	0	0	0	0	0	0	0	379	379	12
Spain	0	0	219	0	0	0	0	0	0	0	0	219	219	7
Syria	0	0	441	0	0	0	0	0	0	0	0	441	441	14
Trinidad and Tobago	943	0	0	0	0	0	0	0	0	0	0	0	943	30
United Kingdom	4,662	0	0	0	0	0	0	0	0	0	0	0	4,662	150
Virgin Islands	0	0	0	0	0	0	232	0	0	66	0	298	298	10
Subtotal Other	32,996	334	3,911	0	623	0	232	0	290	933	228	6,551	39,547	1,276

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Total Imports	**89,995**	**3,077**	**6,065**	**227**	**1,645**	**55**	**232**	**0**	**489**	**933**	**1,685**	**14,408**	**104,403**	**3,368**
							PAD District IV							
Other														
Canada	2,078	249	0	0	64	0	0	95	1	0	0	409	2,487	80
Subtotal Other	2,078	249	0	0	64	0	0	95	1	0	0	409	2,487	80
Total Imports	**2,078**	**249**	**0**	**0**	**64**	**0**	**0**	**95**	**1**	**0**	**0**	**409**	**2,487**	**80**
							PAD District V							
Other OPEC														
Indonesia	3,993	0	0	0	0	0	0	0	0	0	0	0	3,993	129
Venezuela	0	0	0	0	0	218	0	215	0	0	0	433	433	14
Subtotal Other OPEC	3,993	0	0	0	0	218	0	215	0	0	0	433	4,426	143
Other														
Australia	1,269	0	0	0	0	0	0	0	0	0	0	0	1,269	41
Brunei	273	0	0	0	0	0	0	0	0	0	0	0	273	9
Canada	93	145	0	0	119	12	0	63	0	7	25	371	464	15
China, People's Republic	0	0	0	695	0	0	0	0	0	0	0	695	695	22
China, Taiwan	0	3	0	0	0	0	0	0	0	0	23	26	26	1
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Italy	0	0	146	0	0	0	0	0	0	0	0	146	146	5
Korea, Republic	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	0	0	0	0	0	0	0	0	0	0	160	160	160	5
Puerto Rico	0	0	0	0	0	0	0	0	0	0	45	45	45	1
Singapore	0	0	0	0	0	0	0	0	401	0	0	401	401	13
Spain	0	0	220	0	0	0	0	0	0	0	0	220	220	7
Trinidad and Tobago	0	0	0	0	65	0	0	0	0	0	0	65	65	2
Subtotal Other	1,635	148	366	695	184	12	0	63	401	7	253	2,129	3,764	121
Total Imports	**5,628**	**148**	**366**	**695**	**184**	**230**	**0**	**278**	**401**	**7**	**253**	**2,562**	**8,190**	**264**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	4,682	2,158	362	0	0	0	0	0	2,885	0	1,246	6,651	11,333	378
Iraq	1,974	0	0	0	0	0	0	0	0	0	0	0	1,974	66
Kuwait	3,783	0	669	0	0	0	0	0	0	0	0	669	4,452	148
Saudi Arabia	23,468	876	1,251	0	643	78	0	0	0	0	753	3,601	27,069	902
United Arab Emirates	4,384	0	0	0	0	0	0	0	0	0	0	0	4,384	146
Subtotal Arab OPEC	38,291	3,035	2,282	0	643	78	0	0	2,885	0	1,999	10,922	49,213	1,640
Other OPEC														
Ecuador	396	0	0	0	0	0	0	0	0	0	0	0	396	13
Gabon	1,056	0	0	0	0	0	0	0	0	0	0	0	1,056	35
Indonesia	6,134	0	1,130	0	0	0	0	0	0	0	0	1,130	7,264	242
Iran	5,793	0	0	0	0	0	0	0	0	0	0	0	5,793	193
Nigeria	18,252	0	164	0	0	0	0	0	0	0	22	186	18,438	615
Venezuela	14,986	194	950	247	2,948	614	0	2,350	1,690	0	660	9,653	24,639	821
Subtotal Other OPEC	46,617	194	2,244	247	2,948	614	0	2,350	1,690	0	682	10,969	57,586	1,920
Other														
Angola	5,511	0	0	0	0	0	0	0	342	0	0	342	5,853	195
Argentina	0	0	0	0	0	0	0	0	0	20	36	56	56	2
Australia	3,450	681	0	0	0	0	0	0	0	0	0	681	4,131	138
Bahama Islands	0	0	0	0	0	0	0	272	1,143	0	15	1,430	1,430	48
Belgium	0	0	0	0	465	0	0	0	0	0	5	470	470	16
Benin	346	0	0	0	0	0	0	0	0	0	0	0	346	12
Brazil	0	44	0	113	2,256	0	0	0	962	21	2	3,398	3,398	113
Brunei	218	0	0	0	0	0	0	0	0	0	0	0	218	7
Cameroon	1,888	0	0	0	0	0	0	0	334	0	0	334	2,222	74
Canada	18,274	3,545	7	0	960	122	17	1,311	652	150	329	7,093	25,367	846
China, People's Republic	1,418	0	0	789	211	0	0	0	0	0	120	1,120	2,538	85
China, Taiwan	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
Colombia	2,958	0	0	0	0	0	0	0	1,766	0	0	1,766	4,724	157
Denmark	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Egypt	1,407	0	0	0	0	0	0	0	0	0	2	2	1,409	47
France	0	0	0	0	0	0	0	0	0	0	27	27	27	1
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Ghana	0	0	0	0	0	0	0	0	167	0	0	167	167	6
India	0	0	620	0	0	0	0	0	0	745	0	1,365	1,365	46
Israel	0	0	0	0	289	0	0	0	0	0	0	289	289	10
Italy	0	0	527	0	150	0	0	0	280	0	27	984	984	33
Japan	0	1	0	0	0	0	0	0	0	0	68	69	69	2
Korea, Republic	0	0	0	0	0	168	0	0	0	0	36	204	204	7
Malaysia	668	0	0	0	0	0	0	0	0	0	0	0	668	22
Mexico	19,791	675	0	0	0	282	0	224	0	0	169	1,350	21,141	705
Netherlands Antilles	0	0	0	0	262	0	0	205	797	0	0	1,264	1,264	42
Netherlands	0	0	0	0	1,233	0	0	0	0	30	13	1,276	1,276	43
Norway	494	0	50	0	0	0	0	0	200	0	0	250	744	25
Oman	1,887	0	0	0	0	0	0	0	0	0	0	0	1,887	63
Peru	0	0	0	0	0	0	0	0	591	0	0	591	591	20
Portugal	0	0	0	0	0	0	0	0	0	0	18	18	18	1
Puerto Rico	0	0	177	0	0	0	0	0	0	0	560	737	737	25

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Romania	0	0	0	0	298	0	0	0	0	0	0	298	298	10
Singapore	0	0	0	0	301	430	0	0	257	0	0	988	988	33
South Africa	0	0	0	0	0	0	0	29	0	0	2	31	31	1
Spain	0	0	426	0	722	180	0	0	1,027	0	642	2,997	2,997	100
Sweden	0	0	0	0	0	0	0	0	0	0	62	62	62	2
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	509	0	0	0	0	0	0	0	0	0	0	0	509	17
Trinidad and Tobago	2,157	0	0	0	228	0	0	0	772	0	0	1,000	3,157	105
Tunisia	0	0	0	0	244	0	0	0	0	0	0	244	244	8
Turkey	0	0	0	0	0	0	0	0	0	0	39	39	39	1
United Kingdom	6,702	456	0	0	205	150	0	0	252	0	1	1,064	7,766	259
Virgin Islands	0	0	1,846	230	1,221	477	386	2,255	1,675	0	35	8,125	8,125	271
Zaire	726	0	0	0	0	0	0	0	0	0	0	0	726	24
Subtotal Other	68,404	5,406	3,653	1,132	9,045	1,808	403	4,296	11,217	966	2,210	40,136	108,540	3,618
Total Imports	**153,312**	**8,634**	**8,179**	**1,379**	**12,636**	**2,500**	**403**	**6,646**	**15,792**	**966**	**4,891**	**62,027**	**215,339**	**7,178**
							PAD District I							
Arab OPEC														
Algeria	1,720	400	362	0	0	0	0	0	2,535	0	0	3,297	5,017	167
Saudi Arabia	4,513	0	0	0	354	78	0	0	0	0	0	432	4,945	165
Subtotal Arab OPEC	6,233	400	362	0	354	78	0	0	2,535	0	0	3,729	9,962	332
Other OPEC														
Gabon	409	0	0	0	0	0	0	0	0	0	0	0	409	14
Indonesia	0	0	728	0	0	0	0	0	0	0	0	728	728	24
Nigeria	8,123	0	0	0	0	0	0	0	0	0	0	0	8,123	271
Venezuela	4,368	0	0	131	2,594	614	0	2,350	1,690	0	660	8,039	12,407	414
Subtotal Other OPEC	12,900	0	728	131	2,594	614	0	2,350	1,690	0	660	8,767	21,667	722
Other														
Angola	2,131	0	0	0	0	0	0	0	342	0	0	342	2,473	82
Bahama Islands	0	0	0	0	0	0	0	2	1,143	0	15	1,160	1,160	39
Belgium	0	0	0	0	465	0	0	0	0	0	0	465	465	16
Brazil	0	0	0	0	2,256	0	0	0	962	0	2	3,220	3,220	107
Cameroon	838	0	0	0	0	0	0	0	334	0	0	334	1,172	39
Canada	1,522	316	2	0	793	54	17	954	497	96	207	2,936	4,458	149
China, People's Republic	753	0	0	0	0	0	0	0	0	0	0	0	753	25
Colombia	0	0	0	0	0	0	0	0	1,766	0	0	1,766	1,766	59
Denmark	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Egypt	1,407	0	0	0	0	0	0	0	0	0	2	2	1,409	47
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Ghana	0	0	0	0	0	0	0	0	167	0	0	167	167	6
Israel	0	0	0	0	289	0	0	0	0	0	0	289	289	10
Italy	0	0	0	0	150	0	0	0	0	0	0	150	150	5
Japan	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Mexico	2,876	0	0	0	0	132	0	224	0	0	0	356	3,232	108

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, September 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Netherlands Antilles	0	0	0	0	0	0	0	205	797	0	0	1,002	1,002	33
Netherlands	0	0	0	0	1,233	0	0	0	0	0	6	1,239	1,239	41
Norway	494	0	0	0	0	0	0	0	200	0	0	200	694	23
Peru	0	0	0	0	0	0	0	0	591	0	0	591	591	20
Portugal	0	0	0	0	0	0	0	0	0	0	18	18	18	1
Puerto Rico	0	0	177	0	0	0	0	0	0	0	434	611	611	20
Romania	0	0	0	0	298	0	0	0	0	0	0	298	298	10
Spain	0	0	207	0	722	180	0	0	1,027	0	642	2,778	2,778	93
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	0	0	0	0	228	0	0	0	772	0	0	1,000	1,000	33
Tunisia	0	0	0	0	244	0	0	0	0	0	0	244	244	8
United Kingdom	3,096	(s)	0	0	205	0	0	0	252	0	1	458	3,554	118
Virgin Islands	0	0	1,198	230	1,221	477	145	2,255	1,675	0	0	7,201	7,201	240
Zaire	403	0	0	0	0	0	0	0	0	0	0	0	403	13
Subtotal Other	13,520	317	1,584	230	8,104	842	162	3,640	10,525	96	1,332	26,833	40,353	1,345
Total Imports	**32,653**	**717**	**2,674**	**361**	**11,052**	**1,534**	**162**	**5,990**	**14,750**	**96**	**1,992**	**39,329**	**71,982**	**2,399**
							PAD District II							
Arab OPEC														
Algeria	653	0	0	0	0	0	0	0	0	0	0	0	653	22
Iraq	1,001	0	0	0	0	0	0	0	0	0	0	0	1,001	33
Kuwait	715	0	0	0	0	0	0	0	0	0	0	0	715	24
Saudi Arabia	2,736	0	0	0	0	0	0	0	0	0	0	0	2,736	91
Subtotal Arab OPEC	5,105	0	0	0	0	0	0	0	0	0	0	0	5,105	170
Other OPEC														
Indonesia	124	0	0	0	0	0	0	0	0	0	0	0	124	4
Iran	479	0	0	0	0	0	0	0	0	0	0	0	479	16
Nigeria	5,418	0	0	0	0	0	0	0	0	0	0	0	5,418	181
Subtotal Other OPEC	6,021	0	0	0	0	0	0	0	0	0	0	0	6,021	201
Other														
Canada	14,588	2,786	5	0	38	62	0	217	85	47	92	3,332	17,920	597
Colombia	446	0	0	0	0	0	0	0	0	0	0	0	446	15
Mexico	2,142	0	0	0	0	72	0	0	0	0	0	72	2,214	74
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Trinidad and Tobago	741	0	0	0	0	0	0	0	0	0	0	0	741	25
United Kingdom	1,109	0	0	0	0	0	0	0	0	0	0	0	1,109	37
Subtotal Other	19,026	2,786	5	0	38	134	0	217	85	47	94	3,407	22,433	748
Total Imports	**30,152**	**2,786**	**5**	**0**	**38**	**134**	**0**	**217**	**85**	**47**	**94**	**3,407**	**33,559**	**1,119**

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	2,309	1,758	0	0	0	0	0	0	350	0	1,246	3,354	5,663	189
Iraq	973	0	0	0	0	0	0	0	0	0	0	0	973	32
Kuwait	3,068	0	669	0	0	0	0	0	0	0	0	669	3,737	125
Saudi Arabia	16,219	876	1,251	0	0	0	0	0	0	0	753	2,880	19,099	637
United Arab Emirates	4,384	0	0	0	0	0	0	0	0	0	0	0	4,384	146
Subtotal Arab OPEC	26,953	2,635	1,920	0	0	0	0	0	350	0	1,999	6,904	33,857	1,129
Other OPEC														
Ecuador	396	0	0	0	0	0	0	0	0	0	0	0	396	13
Gabon	647	0	0	0	0	0	0	0	0	0	0	0	647	22
Indonesia	2,256	0	402	0	0	0	0	0	0	0	0	402	2,658	89
Iran	5,314	0	0	0	0	0	0	0	0	0	0	0	5,314	177
Nigeria	4,711	0	164	0	0	0	0	0	0	0	22	186	4,897	163
Venezuela	10,618	194	950	116	354	0	0	0	0	0	0	1,614	12,232	408
Subtotal Other OPEC	23,942	194	1,516	116	354	0	0	0	0	0	22	2,202	26,144	871
Other														
Angola	3,380	0	0	0	0	0	0	0	0	0	0	0	3,380	113
Argentina	0	0	0	0	0	0	0	0	0	20	36	56	56	2
Australia	1,499	681	0	0	0	0	0	0	0	0	0	681	2,180	73
Belgium	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Benin	346	0	0	0	0	0	0	0	0	0	0	0	346	12
Brazil	0	44	0	0	0	0	0	0	0	21	0	65	65	2
Cameroon	1,050	0	0	0	0	0	0	0	0	0	0	0	1,050	35
Canada	0	0	0	0	0	0	0	0	0	0	16	16	16	1
China, People's Republic	665	0	0	0	0	0	0	0	0	0	111	111	776	26
Colombia	2,512	0	0	0	0	0	0	0	0	0	0	0	2,512	84
France	0	0	0	0	0	0	0	0	0	0	27	27	27	1
India	0	0	620	0	0	0	0	0	0	745	0	1,365	1,365	46
Italy	0	0	527	0	0	0	0	0	280	0	27	834	834	28
Japan	0	0	0	0	0	0	0	0	0	0	29	29	29	1
Mexico	14,773	675	0	0	0	78	0	0	0	0	21	774	15,547	518
Netherlands	0	0	0	0	0	0	0	0	0	30	7	37	37	1
Norway	0	0	50	0	0	0	0	0	0	0	0	50	50	2
Oman	1,887	0	0	0	0	0	0	0	0	0	0	0	1,887	63
Puerto Rico	0	0	0	0	0	0	0	0	0	0	126	126	126	4
Singapore	0	0	0	0	148	0	0	0	0	0	0	148	148	5
Spain	0	0	219	0	0	0	0	0	0	0	0	219	219	7
Sweden	0	0	0	0	0	0	0	0	0	0	62	62	62	2
Trinidad and Tobago	1,416	0	0	0	0	0	0	0	0	0	0	0	1,416	47
Turkey	0	0	0	0	0	0	0	0	0	0	39	39	39	1
United Kingdom	2,497	456	0	0	0	0	0	0	0	0	0	456	2,953	98
Virgin Islands	0	0	648	0	0	0	241	0	0	0	35	924	924	31
Zaire	323	0	0	0	0	0	0	0	0	0	0	0	323	11
Subtotal Other	30,348	1,856	2,064	0	148	78	241	0	280	816	541	6,024	36,372	1,212
Total Imports	**81,243**	**4,685**	**5,500**	**116**	**502**	**78**	**241**	**0**	**630**	**816**	**2,562**	**15,130**	**96,373**	**3,212**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, September 1987 (Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District IV														
Other														
Canada	2,014	298	0	0	50	0	0	69	0	0	0	417	2,431	81
Subtotal Other	2,014	298	0	0	50	0	0	69	0	0	0	417	2,431	81
Total Imports	**2,014**	**298**	**0**	**0**	**50**	**0**	**0**	**69**	**0**	**0**	**0**	**417**	**2,431**	**81**
PAD District V														
Arab OPEC														
Saudi Arabia	0	0	0	0	289	0	0	0	0	0	0	289	289	10
Subtotal Arab OPEC	0	0	0	0	289	0	0	0	0	0	0	289	289	10
Other OPEC														
Indonesia	3,754	0	0	0	0	0	0	0	0	0	0	0	3,754	125
Subtotal Other OPEC	3,754	0	0	0	0	0	0	0	0	0	0	0	3,754	125
Other														
Australia	1,951	0	0	0	0	0	0	0	0	0	0	0	1,951	65
Bahama Islands	0	0	0	0	0	0	0	270	0	0	0	270	270	9
Brazil	0	0	0	113	0	0	0	0	0	0	0	113	113	4
Brunei	218	0	0	0	0	0	0	0	0	0	0	0	218	7
Canada	150	144	0	0	79	6	0	71	70	7	14	391	541	18
China, People's Republic	0	0	0	789	211	0	0	0	0	0	9	1,009	1,009	34
China, Taiwan	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
Japan	0	1	0	0	0	0	0	0	0	0	36	37	37	1
Korea, Republic	0	0	0	0	0	168	0	0	0	0	36	204	204	7
Malaysia	668	0	0	0	0	0	0	0	0	0	0	0	668	22
Mexico	0	0	0	0	0	0	0	0	0	0	148	148	148	5
Netherlands Antilles	0	0	0	0	262	0	0	0	0	0	0	262	262	9
Singapore	0	0	0	0	153	430	0	0	257	0	0	840	840	28
South Africa	0	0	0	0	0	0	0	29	0	0	0	29	29	1
Thailand	509	0	0	0	0	0	0	0	0	0	0	0	509	17
United Kingdom	0	0	0	0	0	150	0	0	0	0	0	150	150	5
Subtotal Other	3,496	148	0	902	705	753	0	370	327	7	243	3,455	6,951	232
Total Imports	**7,250**	**148**	**0**	**902**	**994**	**753**	**0**	**370**	**327**	**7**	**243**	**3,744**	**10,994**	**366**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed, all other products are reported by the PAD District of entry

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	4,325	339	726	0	0	0	0	214	1,198	0	1,681	4,158	8,483	274
Iraq	4,179	0	0	0	0	0	0	0	0	0	0	0	4,179	135
Kuwait	4,396	0	0	0	0	0	0	0	0	0	0	0	4,396	142
Saudi Arabia	29,453	635	976	0	781	313	0	0	0	0	437	3,142	32,595	1,051
United Arab Emirates	3,456	0	0	0	0	0	0	0	0	0	0	0	3,456	111
Subtotal Arab OPEC	45,809	975	1,702	0	781	313	0	214	1,198	0	2,118	7,300	53,109	1,713
Other OPEC														
Ecuador	1,903	0	0	0	0	0	0	0	534	0	0	534	2,437	79
Gabon	1,408	0	0	0	0	0	0	0	0	0	0	0	1,408	45
Indonesia	8,746	0	603	0	0	0	0	0	112	0	0	715	9,461	305
Iran	2,651	0	0	0	0	0	0	0	0	0	0	0	2,651	86
Nigeria	15,571	0	502	0	0	0	0	0	0	0	0	502	16,073	518
Venezuela	13,841	414	1,143	440	2,092	1,267	0	3,090	2,667	0	757	11,870	25,711	829
Subtotal Other OPEC	44,120	414	2,248	440	2,092	1,267	0	3,090	3,313	0	757	13,621	57,741	1,863
Other														
Angola	3,802	0	0	0	0	0	0	0	323	0	0	323	4,125	133
Argentina	0	0	0	0	0	0	0	0	0	40	41	81	81	3
Australia	413	96	0	0	0	0	0	0	0	0	49	145	558	18
Bahama Islands	0	0	0	0	0	0	0	96	723	0	0	819	819	26
Belgium	0	0	332	0	0	0	0	0	343	0	0	675	675	22
Brazil	0	0	0	287	1,251	0	0	0	640	48	8	2,234	2,234	72
Cameroon	1,391	0	0	0	0	0	0	0	0	0	0	0	1,391	45
Canada	19,787	4,927	505	0	1,228	205	32	1,651	356	113	286	9,304	29,091	938
China, People's Republic	1,959	0	0	719	0	0	0	0	0	0	22	741	2,700	87
China, Taiwan	0	4	0	0	0	0	0	0	0	0	62	66	66	2
Colombia	4,343	0	0	0	0	0	0	0	0	0	0	0	4,343	140
Congo	1,935	0	0	0	0	0	0	0	0	0	0	0	1,935	62
Egypt	2,666	0	0	0	0	0	0	0	0	0	0	0	2,666	86
France	0	0	0	0	0	0	0	0	0	0	21	21	21	1
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Greece	0	0	0	0	276	0	0	132	0	0	0	408	408	13
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	469	0	0	0	0	0	0	0	270	739	739	24
Israel	0	0	0	0	233	0	0	0	0	0	0	233	233	8
Italy	0	0	930	0	1,054	75	0	0	0	0	27	2,086	2,086	67
Japan	0	2	0	0	0	0	0	0	0	0	12	14	14	(s)
Korea, Republic	0	0	0	27	0	0	0	0	0	0	22	49	49	2
Malaysia	280	0	0	0	0	0	0	0	0	0	0	0	280	9
Mexico	19,315	670	160	0	0	255	0	200	637	0	363	2,285	21,600	697
Netherlands Antilles	0	0	0	0	0	0	0	0	500	0	0	500	500	16
Netherlands	0	34	0	0	907	0	0	0	239	69	63	1,312	1,312	42
Norway	1,114	0	0	0	0	0	0	0	0	0	0	0	1,114	36
Oman	1,344	0	0	0	0	0	0	0	0	0	0	0	1,344	43
Peru	0	0	205	0	0	0	0	0	563	0	0	768	768	25
Puerto Rico	0	0	69	0	0	0	0	0	0	0	473	542	542	17
Romania	0	0	0	1,040	294	0	0	0	0	0	0	1,334	1,334	43
Singapore	262	0	111	0	0	30	0	0	98	0	0	239	501	16

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, October 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Spain	0	100	571	0	512	319	0	0	278	0	0	1,780	1,780	57
Sweden	0	0	65	0	0	0	0	0	0	0	22	87	87	3
Switzerland	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Togo	0	0	72	0	0	0	0	0	0	0	0	72	72	2
Trinidad and Tobago	1,952	0	0	0	0	0	0	0	772	0	0	772	2,724	88
Tunisia	0	0	0	0	134	0	0	0	0	0	0	134	134	4
Turkey	0	0	555	0	0	0	0	0	0	0	37	592	592	19
United Kingdom	7,962	2	0	0	1,229	30	0	209	523	0	1	1,994	9,956	321
U.S.S.R.	0	0	0	0	0	0	0	225	465	0	0	690	690	22
Virgin Islands	0	0	1,806	509	1,046	67	912	1,531	1,870	0	0	7,741	7,741	250
Zaire	936	0	0	0	0	0	0	0	0	0	0	0	936	30
Subtotal Other	69,461	5,835	5,850	2,582	8,164	982	944	4,044	8,330	270	1,782	38,782	108,243	3,492
Total Imports	**159,390**	**7,223**	**9,800**	**3,022**	**11,037**	**2,561**	**944**	**7,348**	**12,841**	**270**	**4,657**	**59,703**	**219,093**	**7,068**
							PAD District I							
Arab OPEC														
Algeria	0	0	366	0	0	0	0	214	1,198	0	0	1,778	1,778	57
Saudi Arabia	5,457	0	0	0	296	9	0	0	0	0	0	305	5,762	186
Subtotal Arab OPEC	5,457	0	366	0	296	9	0	214	1,198	0	0	2,083	7,540	243
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	534	0	0	534	534	17
Gabon	677	0	0	0	0	0	0	0	0	0	0	0	677	22
Nigeria	8,299	0	0	0	0	0	0	0	0	0	0	0	8,299	268
Venezuela	2,197	100	360	201	2,092	237	0	3,090	2,667	0	643	9,389	11,586	374
Subtotal Other OPEC	11,173	100	360	201	2,092	237	0	3,090	3,201	0	643	9,923	21,096	681
Other														
Angola	1,753	0	0	0	0	0	0	0	323	0	0	323	2,076	67
Argentina	0	0	0	0	0	0	0	0	0	0	8	0	8	(s)
Australia	0	96	0	0	0	0	0	0	0	0	49	145	145	5
Bahama Islands	0	0	0	0	0	0	0	96	723	0	0	819	819	26
Belgium	0	0	0	0	0	0	0	0	343	0	0	343	343	11
Brazil	0	0	0	0	1,251	0	0	0	640	0	8	1,899	1,899	61
Cameroon	732	0	0	0	0	0	0	0	0	0	0	0	732	24
Canada	1,634	485	217	0	612	81	32	1,215	268	11	169	3,091	4,725	152
China, People's Republic	1,256	0	0	0	0	0	0	0	0	0	22	22	1,278	41
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Colombia	889	0	0	0	0	0	0	0	0	0	0	0	889	29
Egypt	700	0	0	0	0	0	0	0	0	0	0	0	700	23
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Greece	0	0	0	0	276	0	0	132	0	0	0	408	408	13
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	207	0	0	0	0	0	0	0	0	207	207	7
Israel	0	0	0	0	233	0	0	0	0	0	0	233	233	8
Italy	0	0	418	0	801	0	0	0	0	0	0	1,219	1,219	39

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Japan	0	0	0	0	0	0	0	0	0	0	12	12	12	(s)
Mexico	2,980	0	160	0	0	131	0	200	637	0	217	1,345	4,325	140
Netherlands Antilles	0	0	0	0	0	0	0	0	500	0	0	500	500	16
Netherlands	0	0	0	0	651	0	0	0	239	30	0	920	920	30
Norway	632	0	0	0	0	0	0	0	0	0	0	0	632	20
Oman	1,344	0	0	0	0	0	0	0	0	0	0	0	1,344	43
Peru	0	0	0	0	0	0	0	0	563	0	0	563	563	18
Puerto Rico	0	0	69	0	0	0	0	0	0	0	370	439	439	14
Romania	0	0	0	1,040	294	0	0	0	0	0	0	1,334	1,334	43
Spain	0	0	571	0	512	319	0	0	278	0	0	1,680	1,680	54
Sweden	0	0	65	0	0	0	0	0	0	0	0	65	65	2
Switzerland	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	524	0	0	0	0	0	0	0	772	0	0	772	1,296	42
Tunisia	0	0	0	0	134	0	0	0	0	0	0	134	134	4
Turkey	0	0	555	0	0	0	0	0	0	0	0	555	555	18
United Kingdom	4,671	0	0	0	1,229	0	0	209	191	0	1	1,630	6,301	203
U.S.S.R.	0	0	0	0	0	0	0	225	0	0	0	225	225	7
Virgin Islands	0	0	1,398	509	1,046	67	205	1,531	1,870	0	0	6,626	6,626	214
Zaire	533	0	0	0	0	0	0	0	0	0	0	0	533	17
Subtotal Other	17,648	582	3,660	1,549	7,039	598	237	3,608	7,347	49	851	25,520	43,168	1,393
Total Imports	**34,278**	**682**	**4,386**	**1,750**	**9,427**	**844**	**237**	**6,912**	**11,746**	**49**	**1,494**	**37,527**	**71,805**	**2,316**
							PAD District II							
Arab OPEC														
Algeria	697	0	0	0	0	0	0	0	0	0	0	0	697	22
Iraq	1,102	0	0	0	0	0	0	0	0	0	0	0	1,102	36
Saudi Arabia	5,801	0	0	0	0	0	0	0	0	0	0	0	5,801	187
Subtotal Arab OPEC	7,600	0	0	0	0	0	0	0	0	0	0	0	7,600	245
Other OPEC														
Nigeria	3,350	0	0	0	0	0	0	0	0	0	0	0	3,350	108
Venezuela	0	0	0	0	0	656	0	0	0	0	0	656	656	21
Subtotal Other OPEC	3,350	0	0	0	0	656	0	0	0	0	0	656	4,006	129
Other														
Cameroon	659	0	0	0	0	0	0	0	0	0	0	0	659	21
Canada	15,787	3,669	36	0	73	117	0	277	88	46	76	4,382	20,169	651
Egypt	599	0	0	0	0	0	0	0	0	0	0	0	599	19
Mexico	1,214	0	0	0	0	124	0	0	0	0	0	124	1,338	43
United Kingdom	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Subtotal Other	18,259	3,671	36	0	73	241	0	277	88	46	76	4,508	22,767	734
Total Imports	**29,209**	**3,671**	**36**	**0**	**73**	**897**	**0**	**277**	**88**	**46**	**76**	**5,164**	**34,373**	**1,109**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	3,628	339	360	0	0	0	0	0	0	0	1,681	2,380	6,008	194
Iraq	3,077	0	0	0	0	0	0	0	0	0	0	0	3,077	99
Kuwait	4,396	0	0	0	0	0	0	0	0	0	0	0	4,396	142
Saudi Arabia	18,195	635	976	0	0	0	0	0	0	0	437	2,048	20,243	653
United Arab Emirates	3,456	0	0	0	0	0	0	0	0	0	0	0	3,456	111
Subtotal Arab OPEC	32,752	975	1,336	0	0	0	0	0	0	0	2,118	4,429	37,181	1,199
Other OPEC														
Ecuador	1,903	0	0	0	0	0	0	0	0	0	0	0	1,903	61
Gabon	731	0	0	0	0	0	0	0	0	0	0	0	731	24
Indonesia	3,681	0	603	0	0	0	0	0	112	0	0	715	4,396	142
Iran	2,651	0	0	0	0	0	0	0	0	0	0	0	2,651	86
Nigeria	3,922	0	502	0	0	0	0	0	0	0	0	502	4,424	143
Venezuela	11,644	314	783	239	0	168	0	0	0	0	0	1,504	13,148	424
Subtotal Other OPEC	24,532	314	1,888	239	0	168	0	0	112	0	0	2,721	27,253	879
Other														
Angola	2,049	0	0	0	0	0	0	0	0	0	0	0	2,049	66
Argentina	0	0	0	0	0	0	0	0	0	32	41	73	73	2
Belgium	0	0	332	0	0	0	0	0	0	0	0	332	332	11
Brazil	0	0	0	0	0	0	0	0	0	48	0	48	48	2
Canada	0	0	252	0	0	0	0	0	0	50	10	312	312	10
China, People's Republic	703	0	0	0	0	0	0	0	0	0	0	0	703	23
Colombia	3,454	0	0	0	0	0	0	0	0	0	0	0	3,454	111
Congo	1,935	0	0	0	0	0	0	0	0	0	0	0	1,935	62
Egypt	1,367	0	0	0	0	0	0	0	0	0	0	0	1,367	44
France	0	0	0	0	0	0	0	0	0	0	21	21	21	1
India	0	0	262	0	0	0	0	0	0	0	270	532	532	17
Italy	0	0	250	0	0	0	0	0	0	0	27	277	277	9
Mexico	15,121	670	0	0	0	0	0	0	0	0	17	687	15,808	510
Netherlands	0	34	0	0	0	0	0	0	0	39	63	136	136	4
Norway	482	0	0	0	0	0	0	0	0	0	0	0	482	16
Peru	0	0	205	0	0	0	0	0	0	0	0	205	205	7
Puerto Rico	0	0	0	0	0	0	0	0	0	0	64	64	64	2
Singapore	262	0	111	0	0	0	0	0	0	0	0	111	373	12
Spain	0	100	0	0	0	0	0	0	0	0	0	100	100	3
Sweden	0	0	0	0	0	0	0	0	0	0	22	22	22	1
Togo	0	0	72	0	0	0	0	0	0	0	0	72	72	2
Trinidad and Tobago	1,428	0	0	0	0	0	0	0	0	0	0	0	1,428	46
Turkey	0	0	0	0	0	0	0	0	0	0	37	37	37	1
United Kingdom	3,291	0	0	0	0	0	0	0	332	0	0	332	3,623	117
U.S.S.R.	0	0	0	0	0	0	0	0	465	0	0	465	465	15
Virgin Islands	0	0	408	0	0	0	707	0	0	0	0	1,115	1,115	36
Zaire	403	0	0	0	0	0	0	0	0	0	0	0	403	13
Subtotal Other	30,495	803	1,892	0	0	0	707	0	797	169	572	4,940	35,435	1,143
Total Imports	**87,779**	**2,092**	**5,116**	**239**	**0**	**168**	**707**	**0**	**909**	**169**	**2,690**	**12,090**	**99,869**	**3,222**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District IV							
Other														
Canada	2,152	502	0	0	45	0	0	72	0	0	0	619	2,771	89
Subtotal Other	2,152	502	0	0	45	0	0	72	0	0	0	619	2,771	89
Total Imports	**2,152**	**502**	**0**	**0**	**45**	**0**	**0**	**72**	**0**	**0**	**0**	**619**	**2,771**	**89**
							PAD District V							
Arab OPEC														
Saudi Arabia	0	0	0	0	485	304	0	0	0	0	0	789	789	25
Subtotal Arab OPEC	0	0	0	0	485	304	0	0	0	0	0	789	789	25
Other OPEC														
Indonesia	5,065	0	0	0	0	0	0	0	0	0	0	0	5,065	163
Venezuela	0	0	0	0	0	206	0	0	0	0	114	320	320	10
Subtotal Other OPEC	5,065	0	0	0	0	206	0	0	0	0	114	320	5,385	174
Other														
Australia	413	0	0	0	0	0	0	0	0	0	0	0	413	13
Brazil	0	0	0	287	0	0	0	0	0	0	0	287	287	9
Canada	214	271	0	0	498	7	0	87	0	6	31	900	1,114	36
China, People's Republic	0	0	0	719	0	0	0	0	0	0	0	719	719	23
China, Taiwan	0	4	0	0	0	0	0	0	0	0	62	66	66	2
Italy	0	0	262	0	253	75	0	0	0	0	0	590	590	19
Japan	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Korea, Republic	0	0	0	27	0	0	0	0	0	0	22	49	49	2
Malaysia	280	0	0	0	0	0	0	0	0	0	0	0	280	9
Mexico	0	0	0	0	0	0	0	0	0	0	129	129	129	4
Netherlands	0	0	0	0	256	0	0	0	0	0	0	256	256	8
Puerto Rico	0	0	0	0	0	0	0	0	0	0	39	39	39	1
Singapore	0	0	0	0	0	30	0	0	98	0	0	128	128	4
United Kingdom	0	0	0	0	0	30	0	0	0	0	0	30	30	1
Subtotal Other	907	276	262	1,033	1,007	142	0	87	98	6	283	3,195	4,102	132
Total Imports	**5,972**	**276**	**262**	**1,033**	**1,492**	**652**	**0**	**87**	**98**	**6**	**397**	**4,303**	**10,275**	**331**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, November 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	5,967	1,516	321	0	0	0	0	0	2,582	0	1,452	5,871	11,838	395
Iraq	3,443	0	0	0	0	0	0	0	0	0	0	0	3,443	115
Kuwait	6,416	12	558	0	0	0	0	0	0	0	0	570	6,986	233
Saudi Arabia	16,151	252	693	0	998	74	0	0	0	0	949	2,966	19,117	637
United Arab Emirates	2,920	0	0	0	0	0	0	0	0	0	0	0	2,920	97
Subtotal Arab OPEC	34,897	1,779	1,572	0	998	74	0	0	2,582	0	2,401	9,406	44,303	1,477
Other OPEC														
Ecuador	762	0	0	0	0	0	0	0	233	0	0	233	995	33
Gabon	633	0	0	0	0	0	0	0	0	0	0	0	633	21
Indonesia	6,370	0	0	0	0	0	0	0	200	0	0	200	6,570	219
Iran	1,227	0	0	0	0	0	0	0	0	0	0	0	1,227	41
Nigeria	18,062	0	0	0	0	0	0	0	133	0	0	133	18,195	607
Venezuela	14,792	499	761	120	1,499	688	0	2,520	1,617	0	639	8,343	23,135	771
Subtotal Other OPEC	41,846	499	761	120	1,499	688	0	2,520	2,183	0	639	8,909	50,755	1,692
Other														
Angola	8,416	0	0	0	0	0	0	0	210	0	0	210	8,626	288
Argentina	0	0	0	0	0	0	0	0	0	40	0	40	40	1
Australia	977	0	0	0	0	0	0	0	0	0	41	41	1,018	34
Bahama Islands	0	0	0	0	0	0	0	0	919	0	0	919	919	31
Belgium	0	0	1,356	0	267	0	0	0	934	0	0	2,557	2,557	85
Brazil	0	99	0	0	2,193	0	0	0	872	0	26	3,190	3,190	106
Cameroon	1,763	0	0	0	0	0	0	0	329	0	0	329	2,092	70
Canada	17,211	4,363	163	0	716	172	36	1,210	620	38	287	7,605	24,816	827
China, People's Republic	2,252	0	0	176	268	0	0	0	0	0	86	530	2,782	93
China, Taiwan	0	5	0	0	0	0	0	0	0	0	15	20	20	1
Colombia	4,933	0	0	0	0	0	0	0	893	0	0	893	5,826	194
Congo	0	0	0	0	0	0	0	0	311	0	0	311	311	10
Denmark	0	0	0	0	0	0	0	0	0	0	57	57	57	2
Egypt	847	0	0	0	0	0	0	0	0	0	1	1	848	28
France	0	42	54	0	0	0	0	0	228	0	58	382	382	13
Germany, FD (W)	0	1	0	0	216	0	0	0	0	0	15	232	232	8
Ghana	0	0	0	0	0	0	0	0	140	0	0	140	140	5
Greece	0	0	0	0	750	0	0	0	0	0	0	750	750	25
India	0	0	493	0	0	0	0	0	0	298	0	791	791	26
Italy	0	41	618	0	929	197	0	0	0	0	0	1,786	1,786	60
Japan	0	(s)	0	0	0	0	0	0	0	0	72	72	72	2
Jordan	0	0	0	0	0	0	0	0	302	0	0	302	302	10
Korea, Republic	0	0	0	0	0	0	0	0	0	0	37	37	37	1
Malaysia	479	0	0	0	0	0	0	0	0	0	0	0	479	16
Mexico	17,735	0	0	364	0	0	0	0	330	0	369	1,063	18,798	627
Netherlands Antilles	0	0	0	0	0	0	0	0	359	0	60	419	419	14
Netherlands	0	98	206	0	2,801	0	0	270	602	60	69	4,106	4,106	137
Norway	1,670	0	249	0	0	0	0	0	0	0	0	249	1,919	64
Oman	1,940	0	449	0	0	0	0	0	0	0	0	449	2,389	80
Panama	0	0	0	0	0	0	0	0	182	0	0	182	182	6
Peru	0	0	0	0	0	0	0	0	697	0	0	697	697	23
Puerto Rico	0	0	68	0	0	0	0	0	0	0	382	450	450	15

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Romania	0	0	0	1,002	894	0	0	0	0	0	0	1,896	1,896	63
Singapore	0	0	0	17	0	1	0	0	430	0	0	448	448	15
South Africa	0	0	0	0	0	0	0	0	0	0	11	11	11	(s)
Spain	0	57	336	0	515	143	0	0	0	0	143	1,194	1,194	40
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	459	0	0	0	0	0	0	0	0	0	0	0	459	15
Trinidad and Tobago	2,089	0	0	0	229	0	0	0	997	0	0	1,226	3,315	111
Tunisia	0	0	0	0	290	0	0	0	0	0	0	290	290	10
Turkey	0	0	0	0	0	0	0	0	0	0	37	37	37	1
United Kingdom	11,741	0	667	0	706	197	0	160	196	0	1	1,927	13,668	456
U.S.S.R.	0	0	0	0	0	0	0	449	0	0	0	449	449	15
Virgin Islands	0	0	1,318	249	1,245	176	328	1,015	2,709	0	0	7,040	7,040	235
Zaire	1,134	0	0	0	0	0	0	0	0	0	0	0	1,134	38
Subtotal Other	73,646	4,705	5,977	1,808	12,019	886	364	3,104	12,260	436	1,768	43,328	116,974	3,899
Total Imports	**150,389**	**6,983**	**8,310**	**1,928**	**14,516**	**1,649**	**364**	**5,624**	**17,025**	**436**	**4,808**	**61,642**	**212,031**	**7,068**
	PAD District I													
Arab OPEC														
Algeria	0	905	321	0	0	0	0	0	2,582	0	0	3,808	3,808	127
Saudi Arabia	2,880	0	0	0	998	74	0	0	0	0	0	1,072	3,952	132
United Arab Emirates	700	0	0	0	0	0	0	0	0	0	0	0	700	23
Subtotal Arab OPEC	3,580	905	321	0	998	74	0	0	2,582	0	0	4,880	8,460	282
Other OPEC														
Ecuador	762	0	0	0	0	0	0	0	233	0	0	233	995	33
Gabon	633	0	0	0	0	0	0	0	0	0	0	0	633	21
Indonesia	1,265	0	0	0	0	0	0	0	200	0	0	200	1,465	49
Nigeria	6,933	0	0	0	0	0	0	0	133	0	0	133	7,066	236
Venezuela	2,897	462	223	0	1,380	429	0	2,520	1,617	0	639	7,270	10,167	339
Subtotal Other OPEC	12,490	462	223	0	1,380	429	0	2,520	2,183	0	639	7,836	20,326	678
Other														
Angola	5,385	0	0	0	0	0	0	0	210	0	0	210	5,595	187
Australia	0	0	0	0	0	0	0	0	0	0	41	41	41	1
Bahama Islands	0	0	0	0	0	0	0	0	919	0	0	919	919	31
Belgium	0	0	1,072	0	267	0	0	0	934	0	0	2,273	2,273	76
Brazil	0	0	0	0	2,193	0	0	0	872	0	16	3,081	3,081	103
Cameroon	513	0	0	0	0	0	0	0	329	0	0	329	842	28
Canada	1,515	498	3	0	343	56	36	846	569	4	78	2,433	3,948	132
Colombia	983	0	0	0	0	0	0	0	893	0	0	893	1,876	63
Congo	0	0	0	0	0	0	0	0	311	0	0	311	311	10
Denmark	0	0	0	0	0	0	0	0	0	0	57	57	57	2
Egypt	847	0	0	0	0	0	0	0	0	0	1	1	848	28
France	0	0	0	0	0	0	0	0	228	0	0	228	228	8
Germany, FD (W)	0	1	0	0	216	0	0	0	0	0	15	232	232	8
Ghana	0	0	0	0	0	0	0	0	140	0	0	140	140	5

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Greece	0	0	0	0	750	0	0	0	0	0	0	750	750	25
Italy	0	0	0	0	929	197	0	0	0	0	0	1,126	1,126	38
Japan	0	0	0	0	0	0	0	0	0	0	30	30	30	1
Mexico	523	0	0	0	0	0	0	0	330	0	212	542	1,065	36
Netherlands Antilles	0	0	0	0	0	0	0	0	359	0	29	388	388	13
Netherlands	0	0	206	0	2,524	0	0	270	602	0	0	3,602	3,602	120
Norway	1,145	0	249	0	0	0	0	0	0	0	0	249	1,394	46
Panama	0	0	0	0	0	0	0	0	182	0	0	182	182	6
Peru	0	0	0	0	0	0	0	0	697	0	0	697	697	23
Puerto Rico	0	0	68	0	0	0	0	0	0	0	235	303	303	10
Romania	0	0	0	1,002	894	0	0	0	0	0	0	1,896	1,896	63
Singapore	0	0	0	0	0	0	0	0	20	0	0	20	20	1
South Africa	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Spain	0	0	336	0	515	143	0	0	0	0	143	1,137	1,137	38
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	0	0	0	0	229	0	0	0	997	0	0	1,226	1,226	41
Tunisia	0	0	0	0	290	0	0	0	0	0	0	290	290	10
United Kingdom	5,813	0	177	0	706	197	0	160	196	0	1	1,437	7,250	242
U.S.S.R.	0	0	0	0	0	0	0	449	0	0	0	449	449	15
Virgin Islands	0	0	1,318	249	1,245	176	328	1,015	2,709	0	0	7,040	7,040	235
Zaire	478	0	0	0	0	0	0	0	0	0	0	0	478	16
Subtotal Other	17,202	499	3,429	1,251	11,101	769	364	2,740	11,497	4	862	32,516	49,718	1,657
Total Imports	**33,272**	**1,866**	**3,973**	**1,251**	**13,479**	**1,272**	**364**	**5,260**	**16,262**	**4**	**1,501**	**45,232**	**78,504**	**2,617**
							PAD District II							
Arab OPEC														
Algeria	1,229	0	0	0	0	0	0	0	0	0	0	0	1,229	41
Iraq	987	0	0	0	0	0	0	0	0	0	0	0	987	33
Saudi Arabia	1,113	0	0	0	0	0	0	0	0	0	0	0	1,113	37
Subtotal Arab OPEC	3,329	0	0	0	0	0	0	0	0	0	0	0	3,329	111
Other OPEC														
Nigeria	4,979	0	0	0	0	0	0	0	0	0	0	0	4,979	166
Venezuela	206	0	0	0	0	150	0	0	0	0	0	150	356	12
Subtotal Other OPEC	5,185	0	0	0	0	150	0	0	0	0	0	150	5,335	178
Other														
Canada	14,057	3,171	0	0	57	107	0	239	51	31	67	3,723	17,780	593
Mexico	1,724	0	0	0	0	0	0	0	0	0	0	0	1,724	57
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
United Kingdom	1,513	0	0	0	0	0	0	0	0	0	0	0	1,513	50
Subtotal Other	17,294	3,171	0	0	57	107	0	239	51	31	75	3,731	21,025	701
Total Imports	**25,808**	**3,171**	**0**	**0**	**57**	**257**	**0**	**239**	**51**	**31**	**75**	**3,881**	**29,689**	**990**

See footnotes at end of table

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	4,738	611	0	0	0	0	0	0	0	0	1,452	2,063	6,801	227
Iraq	2,456	0	0	0	0	0	0	0	0	0	0	0	2,456	82
Kuwait	6,416	12	558	0	0	0	0	0	0	0	0	570	6,986	233
Saudi Arabia	12,158	252	693	0	0	0	0	0	0	0	949	1,894	14,052	468
United Arab Emirates	2,220	0	0	0	0	0	0	0	0	0	0	0	2,220	74
Subtotal Arab OPEC	27,988	874	1,251	0	0	0	0	0	0	0	2,401	4,526	32,514	1,084
Other OPEC														
Indonesia	1,775	0	0	0	0	0	0	0	0	0	0	0	1,775	59
Iran	1,227	0	0	0	0	0	0	0	0	0	0	0	1,227	41
Nigeria	6,150	0	0	0	0	0	0	0	0	0	0	0	6,150	205
Venezuela	11,689	36	538	120	119	109	0	0	0	0	0	922	12,611	420
Subtotal Other OPEC	20,841	36	538	120	119	109	0	0	0	0	0	922	21,763	725
Other														
Angola	3,031	0	0	0	0	0	0	0	0	0	0	0	3,031	101
Argentina	0	0	0	0	0	0	0	0	0	40	0	40	40	1
Australia	827	0	0	0	0	0	0	0	0	0	0	0	827	28
Belgium	0	0	284	0	0	0	0	0	0	0	0	284	284	9
Brazil	0	99	0	0	0	0	0	0	0	0	10	109	109	4
Cameroon	1,250	0	0	0	0	0	0	0	0	0	0	0	1,250	42
Canada	0	1	160	0	0	0	0	0	0	0	97	258	258	9
China, People's Republic	2,252	0	0	0	0	0	0	0	0	0	86	86	2,338	78
Colombia	3,950	0	0	0	0	0	0	0	0	0	0	0	3,950	132
France	0	42	54	0	0	0	0	0	0	0	58	154	154	5
India	0	0	493	0	0	0	0	0	0	298	0	791	791	26
Italy	0	41	618	0	0	0	0	0	0	0	0	659	659	22
Japan	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Jordan	0	0	0	0	0	0	0	0	302	0	0	302	302	10
Mexico	15,488	0	0	364	0	0	0	0	0	0	18	382	15,870	529
Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	31	31	31	1
Netherlands	0	93	0	0	0	0	0	0	0	60	69	222	222	7
Norway	525	0	0	0	0	0	0	0	0	0	0	0	525	18
Oman	1,940	0	449	0	0	0	0	0	0	0	0	449	2,389	80
Puerto Rico	0	0	0	0	0	0	0	0	0	0	147	147	147	5
Spain	0	57	0	0	0	0	0	0	0	0	0	57	57	2
Trinidad and Tobago	2,089	0	0	0	0	0	0	0	0	0	0	0	2,089	70
Turkey	0	0	0	0	0	0	0	0	0	0	37	37	37	1
United Kingdom	4,415	0	490	0	0	0	0	0	0	0	0	490	4,905	164
Zaire	656	0	0	0	0	0	0	0	0	0	0	0	656	22
Subtotal Other	36,423	333	2,548	364	0	0	0	0	302	398	559	4,504	40,927	1,364
Total Imports	**85,252**	**1,244**	**4,337**	**484**	**119**	**109**	**0**	**0**	**302**	**398**	**2,960**	**9,953**	**95,205**	**3,173**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1987 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
						PAD District IV								
Other														
Canada	1,639	453	0	0	37	0	0	61	0	0	13	564	2,203	73
Subtotal Other	1,639	453	0	0	37	0	0	61	0	0	13	564	2,203	73
Total Imports	**1,639**	**453**	**0**	**0**	**37**	**0**	**0**	**61**	**0**	**0**	**13**	**564**	**2,203**	**73**
						PAD District V								
Other OPEC														
Indonesia	3,330	0	0	0	0	0	0	0	0	0	0	0	3,330	111
Subtotal Other OPEC	3,330	0	0	0	0	0	0	0	0	0	0	0	3,330	111
Other														
Australia	150	0	0	0	0	0	0	0	0	0	0	0	150	5
Canada	0	239	0	0	279	9	0	64	0	3	32	626	626	21
China, People's Republic	0	0	0	176	268	0	0	0	0	0	0	444	444	15
China, Taiwan	0	5	0	0	0	0	0	0	0	0	15	20	20	1
Japan	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic	0	0	0	0	0	0	0	0	0	0	37	37	37	1
Malaysia	479	0	0	0	0	0	0	0	0	0	0	0	479	16
Mexico	0	0	0	0	0	0	0	0	0	0	139	139	139	5
Netherlands	0	6	0	0	277	0	0	0	0	0	0	283	283	9
Singapore	0	0	0	17	0	1	0	0	410	0	0	428	428	14
Thailand	459	0	0	0	0	0	0	0	0	0	0	0	459	15
Subtotal Other	1,088	249	0	193	824	10	0	64	410	3	259	2,012	3,100	103
Total Imports	**4,418**	**249**	**0**	**193**	**824**	**10**	**0**	**64**	**410**	**3**	**259**	**2,012**	**6,430**	**214**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed, all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1987
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	3,481	688	312	0	0	0	0	1,069	2,991	0	1,961	7,021	10,502	339
Iraq	2,088	0	0	0	0	0	0	216	0	0	0	216	2,304	74
Kuwait	2,413	261	262	0	0	0	0	0	0	0	0	523	2,936	95
Saudi Arabia	22,954	335	2,006	0	869	93	0	254	653	0	0	4,210	27,164	876
United Arab Emirates	956	0	0	0	0	0	0	0	0	0	0	0	956	31
Subtotal Arab OPEC	31,892	1,283	2,580	0	869	93	0	1,539	3,644	0	1,961	11,969	43,861	1,415
Other OPEC														
Ecuador	360	0	0	0	0	0	0	0	785	0	0	785	1,145	37
Gabon	429	0	0	0	0	0	0	0	0	0	0	0	429	14
Indonesia	6,159	0	471	0	0	0	0	0	60	0	0	531	6,690	216
Iran	710	0	0	0	0	0	0	0	0	0	0	0	710	23
Nigeria	18,783	0	0	0	0	0	0	0	208	0	0	208	18,991	613
Venezuela	14,391	278	1,300	110	995	438	0	1,812	2,472	0	416	7,821	22,212	717
Subtotal Other OPEC	40,832	278	1,771	110	995	438	0	1,812	3,525	0	416	9,345	50,177	1,619
Other														
Angola	8,215	0	0	0	0	0	0	0	346	0	0	346	8,561	276
Argentina	0	0	0	0	0	0	0	0	303	6	0	309	309	10
Australia	1,461	209	0	0	0	0	0	0	0	0	0	209	1,670	54
Bahama Islands	0	0	0	0	0	0	0	5	317	0	0	322	322	10
Belgium	0	0	68	0	246	0	0	529	329	0	0	1,172	1,172	38
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	14	2,411	0	0	0	330	97	15	2,867	2,867	92
Cameroon	738	0	0	0	0	0	0	0	333	0	0	333	1,071	35
Canada	18,143	4,382	638	0	742	428	45	1,250	1,380	127	244	9,235	27,378	883
China, People's Republic	1,527	0	0	295	0	0	0	0	0	0	0	295	1,822	59
China, Taiwan	0	6	0	0	0	0	0	0	0	0	48	54	54	2
Colombia	4,416	0	0	0	0	0	0	0	0	0	0	0	4,416	142
Congo	600	0	0	0	0	0	0	0	127	0	0	127	727	23
Denmark	0	0	0	0	0	0	0	0	258	0	0	258	258	8
Egypt	2,311	0	0	0	0	0	0	0	0	0	1	1	2,312	75
France	0	(s)	42	0	508	0	0	0	0	0	25	575	575	19
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	15	16	16	1
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	590	0	0	0	0	0	0	0	0	590	590	19
Ireland	0	0	236	0	0	0	0	0	0	0	0	236	236	8
Israel	0	0	0	0	0	0	0	233	0	10	0	243	243	8
Italy	0	0	934	0	730	0	0	1,142	0	0	168	2,974	2,974	96
Japan	0	5	0	0	0	0	0	0	0	0	64	69	69	2
Malaysia	1,125	0	0	0	0	0	0	0	0	0	0	0	1,125	36
Mauritania	0	0	0	0	0	0	0	0	143	0	0	143	143	5
Mexico	17,106	331	0	0	0	119	0	0	466	0	310	1,226	18,332	591
Netherlands Antilles	0	0	0	0	0	0	0	0	729	0	0	729	729	24
Netherlands	0	7	0	0	534	0	0	1,418	349	0	5	2,313	2,313	75
Norway	2,206	0	0	0	0	0	0	313	282	0	0	595	2,801	90
Oman	3,007	0	0	0	0	0	0	0	0	0	0	0	3,007	97
Peru	0	0	0	0	0	0	0	0	1,281	0	0	1,281	1,281	41
Puerto Rico	0	0	136	0	0	0	0	0	0	0	586	722	722	23

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Romania	0	0	0	1,437	0	0	0	191	0	0	0	1,628	1,628	53
Singapore	0	0	347	0	0	232	0	0	428	0	0	1,007	1,007	32
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
Spain	0	0	443	0	959	1	0	0	626	0	0	2,029	2,029	65
Sweden	0	0	0	0	0	0	0	0	0	0	77	77	77	2
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	501	0	0	0	0	0	0	0	0	0	0	0	501	16
Trinidad and Tobago	1,889	0	0	0	0	190	0	199	0	0	0	389	2,278	73
Tunisia	0	0	0	0	293	0	0	0	183	0	0	476	476	15
Turkey	0	0	45	0	0	0	0	0	0	0	0	45	45	1
United Kingdom	7,200	118	395	0	1,053	20	0	526	720	0	13	2,844	10,044	324
U.S.S.R.	0	0	0	0	0	0	0	592	0	0	0	592	592	19
Virgin Islands	0	0	2,173	162	565	583	867	1,745	4,056	0	0	10,151	10,151	327
Yugoslavia	0	0	0	0	0	0	0	211	0	0	0	211	211	7
Zaire	436	0	0	0	0	0	0	0	0	0	0	0	436	14
Subtotal Other	71,101	5,059	6,048	1,908	8,041	1,572	912	8,354	12,986	240	1,580	46,700	117,801	3,800
Total Imports	**143,825**	**6,620**	**10,399**	**2,018**	**9,905**	**2,103**	**912**	**11,705**	**20,155**	**240**	**3,957**	**68,013**	**211,838**	**6,833**
	PAD District I													
Arab OPEC														
Algeria	578	666	312	0	0	0	0	1,069	2,991	0	0	5,038	5,616	181
Iraq	0	0	0	0	0	0	0	216	0	0	0	216	216	7
Kuwait	0	261	0	0	0	0	0	0	0	0	0	261	261	8
Saudi Arabia	3,613	335	0	0	556	93	0	254	0	0	0	1,238	4,851	156
United Arab Emirates	956	0	0	0	0	0	0	0	0	0	0	0	956	31
Subtotal Arab OPEC	5,147	1,262	312	0	556	93	0	1,539	2,991	0	0	6,753	11,900	384
Other OPEC														
Ecuador	360	0	0	0	0	0	0	0	785	0	0	785	1,145	37
Indonesia	0	0	0	0	0	0	0	0	25	0	0	25	25	1
Nigeria	9,101	0	0	0	0	0	0	0	208	0	0	208	9,309	300
Venezuela	2,027	0	1,071	110	995	438	0	1,812	2,472	0	416	7,314	9,341	301
Subtotal Other OPEC	11,488	0	1,071	110	995	438	0	1,812	3,490	0	416	8,332	19,820	639
Other														
Angola	4,719	0	0	0	0	0	0	0	346	0	0	346	5,065	163
Argentina	0	0	0	0	0	0	0	0	303	0	0	303	303	10
Australia	558	0	0	0	0	0	0	0	0	0	0	0	558	18
Bahama Islands	0	0	0	0	0	0	0	5	317	0	0	322	322	10
Belgium	0	0	0	0	246	0	0	529	329	0	0	1,104	1,104	36
Brazil	0	0	0	0	2,411	0	0	0	330	0	15	2,756	2,756	89
Cameroon	738	0	0	0	0	0	0	0	333	0	0	333	1,071	35
Canada	1,470	523	68	0	413	339	45	998	966	6	39	3,397	4,867	157
China, People's Republic	729	0	0	0	0	0	0	0	0	0	0	0	729	24
Colombia	1,040	0	0	0	0	0	0	0	0	0	0	0	1,040	34
Congo	600	0	0	0	0	0	0	0	127	0	0	127	727	23

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Denmark	0	0	0	0	0	0	0	0	258	0	0	258	258	8
Egypt	2,311	0	0	0	0	0	0	0	0	0	1	1	2,312	75
France	0	(s)	0	0	508	0	0	0	0	0	25	533	533	17
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	15	16	16	1
Italy	0	0	261	0	730	0	0	1,142	0	0	168	2,301	2,301	74
Japan	0	(s)	0	0	0	0	0	0	0	0	3	3	3	(s)
Mauritania	0	0	0	0	0	0	0	0	143	0	0	143	143	5
Mexico	563	0	0	0	0	0	0	0	195	0	207	402	965	31
Netherlands Antilles	0	0	0	0	0	0	0	0	729	0	0	729	729	24
Netherlands	0	2	0	0	534	0	0	1,418	349	0	0	2,303	2,303	74
Norway	1,702	0	0	0	0	0	0	0	282	0	0	282	1,984	64
Oman	674	0	0	0	0	0	0	0	0	0	0	0	674	22
Peru	0	0	0	0	0	0	0	0	1,281	0	0	1,281	1,281	41
Puerto Rico	0	0	136	0	0	0	0	0	0	0	463	599	599	19
Romania	0	0	0	1,437	0	0	0	191	0	0	0	1,628	1,628	53
Singapore	0	0	347	0	0	0	0	0	408	0	0	755	755	24
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Spain	0	0	443	0	959	1	0	0	626	0	0	2,029	2,029	65
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	0	0	0	0	0	190	0	199	0	0	0	389	389	13
Tunisia	0	0	0	0	293	0	0	0	183	0	0	476	476	15
United Kingdom	4,604	0	395	0	1,053	20	0	526	720	0	0	2,714	7,318	236
U.S.S.R.	0	0	0	0	0	0	0	592	0	0	0	592	592	19
Virgin Islands	0	0	2,173	162	565	583	393	1,745	4,056	0	0	9,677	9,677	312
Yugoslavia	0	0	0	0	0	0	0	211	0	0	0	211	211	7
Zaire	353	0	0	0	0	0	0	0	0	0	0	0	353	11
Subtotal Other	20,061	527	3,823	1,599	7,712	1,133	438	7,556	12,281	6	941	36,016	56,077	1,809
Total Imports	**36,696**	**1,789**	**5,206**	**1,709**	**9,263**	**1,663**	**438**	**10,907**	**18,762**	**6**	**1,357**	**51,100**	**87,796**	**2,832**
							PAD District II							
Arab OPEC														
Algeria	785	0	0	0	0	0	0	0	0	0	0	0	785	25
Iraq	1,099	0	0	0	0	0	0	0	0	0	0	0	1,099	35
Saudi Arabia	3,844	0	0	0	0	0	0	0	0	0	0	0	3,844	124
Subtotal Arab OPEC	5,728	0	0	0	0	0	0	0	0	0	0	0	5,728	185
Other OPEC														
Nigeria	4,189	0	0	0	0	0	0	0	0	0	0	0	4,189	135
Subtotal Other OPEC	4,189	0	0	0	0	0	0	0	0	0	0	0	4,189	135
Other														
Canada	14,931	2,812	0	0	63	76	0	132	134	50	65	3,332	18,263	589
Colombia	460	0	0	0	0	0	0	0	0	0	0	0	460	15
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	1,002	0	0	0	0	0	0	0	0	0	0	0	1,002	32
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, December 1987 (Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District II (continued)														
Other (continued)														
United Kingdom	539	0	0	0	0	0	0	0	0	0	0	0	539	17
Subtotal Other	16,932	2,812	0	0	63	76	0	132	134	50	69	3,336	20,268	654
Total Imports	**26,849**	**2,812**	**0**	**0**	**63**	**76**	**0**	**132**	**134**	**50**	**69**	**3,336**	**30,185**	**974**
PAD District III														
Arab OPEC														
Algeria	2,118	21	0	0	0	0	0	0	0	0	1,961	1,982	4,100	132
Iraq	989	0	0	0	0	0	0	0	0	0	0	0	989	32
Kuwait	2,413	0	262	0	0	0	0	0	0	0	0	262	2,675	86
Saudi Arabia	15,497	0	2,006	0	0	0	0	0	653	0	0	2,659	18,156	586
Subtotal Arab OPEC	21,017	21	2,268	0	0	0	0	0	653	0	1,961	4,903	25,920	836
Other OPEC														
Gabon	429	0	0	0	0	0	0	0	0	0	0	0	429	14
Indonesia	1,365	0	471	0	0	0	0	0	35	0	0	506	1,871	60
Iran	710	0	0	0	0	0	0	0	0	0	0	0	710	23
Nigeria	5,493	0	0	0	0	0	0	0	0	0	0	0	5,493	177
Venezuela	12,364	278	229	0	0	0	0	0	0	0	0	507	12,871	415
Subtotal Other OPEC	20,361	278	700	0	0	0	0	0	35	0	0	1,013	21,374	689
Other														
Angola	3,496	0	0	0	0	0	0	0	0	0	0	0	3,496	113
Argentina	0	0	0	0	0	0	0	0	0	6	0	6	6	(s)
Australia	397	0	0	0	0	0	0	0	0	0	0	0	397	13
Belgium	0	0	68	0	0	0	0	0	0	0	0	68	68	2
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	14	0	0	0	0	0	97	0	111	111	4
Canada	0	0	570	0	0	0	0	0	240	65	76	951	951	31
China, People's Republic	798	0	0	0	0	0	0	0	0	0	0	0	798	26
Colombia	2,916	0	0	0	0	0	0	0	0	0	0	0	2,916	94
France	0	0	42	0	0	0	0	0	0	0	0	42	42	1
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	590	0	0	0	0	0	0	0	0	590	590	19
Ireland	0	0	236	0	0	0	0	0	0	0	0	236	236	8
Israel	0	0	0	0	0	0	0	233	0	10	0	243	243	8
Italy	0	0	673	0	0	0	0	0	0	0	0	673	673	22
Japan	0	0	0	0	0	0	0	0	0	0	25	25	25	1
Mexico	15,541	331	0	0	0	119	0	0	271	0	11	732	16,273	525
Netherlands	0	(s)	0	0	0	0	0	0	0	0	5	5	5	(s)
Norway	504	0	0	0	0	0	0	313	0	0	0	313	817	26
Oman	2,333	0	0	0	0	0	0	0	0	0	0	0	2,333	75
Puerto Rico	0	0	0	0	0	0	0	0	0	0	103	103	103	3
Sweden	0	0	0	0	0	0	0	0	0	0	77	77	77	2
Trinidad and Tobago	1,889	0	0	0	0	0	0	0	0	0	0	0	1,889	61
Turkey	0	0	45	0	0	0	0	0	0	0	0	45	45	1
United Kingdom	2,057	0	0	0	0	0	0	0	0	0	13	13	2,070	67

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1987 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Virgin Islands	0	0	0	0	0	0	474	0	0	0	0	474	474	15
Zaire	83	0	0	0	0	0	0	0	0	0	0	0	83	3
Subtotal Other	30,234	331	2,225	14	0	119	474	546	511	178	310	4,708	34,942	1,127
Total Imports	**71,612**	**630**	**5,193**	**14**	**0**	**119**	**474**	**546**	**1,199**	**178**	**2,271**	**10,624**	**82,236**	**2,653**
							PAD District IV							
Other														
Canada	1,583	593	0	0	39	0	0	38	0	0	20	690	2,273	73
United Kingdom	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Subtotal Other	1,583	593	0	0	39	0	0	38	0	0	20	690	2,273	73
Total Imports	**1,583**	**593**	**0**	**0**	**39**	**0**	**0**	**38**	**0**	**0**	**20**	**690**	**2,273**	**73**
							PAD District V							
Arab OPEC														
Saudi Arabia	0	0	0	0	313	0	0	0	0	0	0	313	313	10
Subtotal Arab OPEC	0	0	0	0	313	0	0	0	0	0	0	313	313	10
Other OPEC														
Indonesia	4,794	0	0	0	0	0	0	0	0	0	0	0	4,794	155
Subtotal Other OPEC	4,794	0	0	0	0	0	0	0	0	0	0	0	4,794	155
Other														
Australia	506	209	0	0	0	0	0	0	0	0	0	209	715	23
Canada	159	453	0	0	227	13	0	82	40	6	44	865	1,024	33
China, People's Republic	0	0	0	295	0	0	0	0	0	0	0	295	295	10
China, Taiwan	0	6	0	0	0	0	0	0	0	0	48	54	54	2
Japan	0	5	0	0	0	0	0	0	0	0	36	41	41	1
Malaysia	1,125	0	0	0	0	0	0	0	0	0	0	0	1,125	36
Mexico	0	0	0	0	0	0	0	0	0	0	92	92	92	3
Netherlands	0	5	0	0	0	0	0	0	0	0	0	5	5	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	20	20	20	1
Singapore	0	0	0	0	0	232	0	0	20	0	0	252	252	8
Thailand	501	0	0	0	0	0	0	0	0	0	0	0	501	16
United Kingdom	0	118	0	0	0	0	0	0	0	0	0	118	118	4
Subtotal Other	2,291	796	0	295	227	245	0	82	60	6	240	1,950	4,241	137
Total Imports	**7,085**	**796**	**0**	**295**	**540**	**245**	**0**	**82**	**60**	**6**	**240**	**2,263**	**9,348**	**302**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F, petroleum coke and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, January 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	207	0	0	2,388	2,595	84
Natural Gas Liquids	21	528	642	(s)	228	1,420	46
Pentanes Plus	0	72	0	0	0	72	2
Liquefied Petroleum Gases	21	456	642	(s)	228	1,348	43
Ethane	(s)	145	(s)	0	(s)	145	5
Propane	10	131	592	(s)	91	825	27
Normal Butane	11	108	50	(s)	137	306	10
Isobutane	0	72	0	0	0	72	2
Finished Motor Gasoline	3	2	733	(s)	633	1,371	44
Naphtha-Type Jet Fuel	0	0	24	0	40	64	2
Kerosene-Type Jet Fuel	0	0	1,122	(s)	281	1,404	45
Kerosene	9	3	(s)	0	0	11	(s)
Distillate Fuel Oil	3	5	2,150	(s)	1,404	3,562	115
Residual Fuel Oil	0	0	2,391	0	3,747	6,138	198
Naphtha < 400 Deg. for Petro. Feed. Use	29	12	27	2	8	77	2
Other Oils > 400 Deg. for Petro. Feed. Use	0	20	453	0	(s)	473	15
Special Naphthas	4	4	2	(s)	(s)	11	(s)
Lubricants	170	30	286	3	41	530	17
Waxes	4	1	14	0	10	29	1
Petroleum Coke	188	26	1,565	0	2,299	4,078	132
Asphalt	2	1	1	(s)	1	5	(s)
Miscellaneous Products	15	2	3	(s)	3	22	1
Total Product Exports	447	633	9,414	5	8,697	19,196	619
Total Exports	**447**	**840**	**9,414**	**5**	**11,085**	**21,791**	**703**

[1] Crude oil exports are restricted to 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet, 2) certain domestically produced crude oil destined for Canada, and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, February 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	1,248	0	0	6,692	7,940	284
Natural Gas Liquids	15	438	439	7	216	1,116	40
Pentanes Plus	0	61	0	0	0	61	2
Liquefied Petroleum Gases	15	377	439	7	216	1,054	38
Ethane	(s)	123	(s)	0	(s)	123	4
Propane	8	111	352	3	87	561	20
Normal Butane	8	81	86	4	129	309	11
Isobutane	0	61	0	0	0	61	2
Finished Motor Gasoline	2	8	504	0	108	622	22
Naphtha-Type Jet Fuel	(s)	0	(s)	(s)	0	1	(s)
Kerosene-Type Jet Fuel	0	0	436	0	129	565	20
Kerosene	5	3	0	0	0	8	(s)
Distillate Fuel Oil	4	3	1,094	0	1,492	2,593	93
Residual Fuel Oil	14	0	1,983	0	4,184	6,181	221
Naphtha < 400 Deg. for Petro. Feed. Use	34	12	26	1	3	76	3
Other Oils > 400 Deg. for Petro. Feed. Use	31	(s)	1	0	286	319	11
Special Naphthas	6	2	5	(s)	1	15	1
Lubricants	80	23	553	6	42	704	25
Waxes	4	2	60	0	7	73	3
Petroleum Coke	376	30	4,445	0	2,243	7,093	253
Asphalt	(s)	2	(s)	1	1	5	(s)
Miscellaneous Products	14	2	30	(s)	3	49	2
Total Product Exports	585	527	9,576	16	8,715	19,418	694
Total Exports	**585**	**1,774**	**9,576**	**16**	**15,407**	**27,358**	**977**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, March 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	(s)	545	0	0	4,100	4,645	150
Natural Gas Liquids	47	534	840	0	252	1,673	54
Pentanes Plus	0	75	0	0	0	75	2
Liquefied Petroleum Gases	47	459	840	0	252	1,598	52
Ethane	(s)	150	(s)	0	(s)	151	5
Propane	31	129	827	0	101	1,087	35
Normal Butane	16	105	13	0	151	285	9
Isobutane	0	75	0	0	0	75	2
Finished Motor Gasoline	7	10	248	0	351	615	20
Naphtha-Type Jet Fuel	0	0	(s)	0	25	25	1
Kerosene-Type Jet Fuel	0	0	77	(s)	136	214	7
Kerosene	5	1	0	0	(s)	6	(s)
Distillate Fuel Oil	7	3	618	(s)	1,446	2,073	67
Residual Fuel Oil	(s)	0	740	0	3,919	4,659	150
Naphtha < 400 Deg. for Petro. Feed. Use	59	9	46	(s)	45	160	5
Other Oils > 400 Deg. for Petro. Feed. Use	(s)	60	289	0	312	661	21
Special Naphthas	4	5	6	(s)	2	17	1
Lubricants	261	25	415	4	45	750	24
Waxes	7	1	21	0	12	41	1
Petroleum Coke	178	48	4,181	0	2,316	6,723	217
Asphalt	1	1	21	1	1	25	1
Miscellaneous Products	15	2	8	(s)	3	28	1
Total Product Exports	590	699	7,511	6	8,866	17,671	570
Total Exports	**590**	**1,244**	**7,511**	**6**	**12,966**	**22,316**	**720**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada, and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, April 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	454	0	0	6,955	7,409	247
Natural Gas Liquids	26	540	406	17	168	1,157	39
Pentanes Plus	0	72	0	0	0	72	2
Liquefied Petroleum Gases	26	468	406	17	168	1,085	36
Ethane	(s)	144	(s)	0	(s)	145	5
Propane	13	121	354	7	67	563	19
Normal Butane	13	131	51	10	100	306	10
Isobutane	0	72	0	0	0	72	2
Finished Motor Gasoline	10	6	699	(s)	551	1,266	42
Naphtha-Type Jet Fuel	(s)	0	0	0	0	(s)	(s)
Kerosene-Type Jet Fuel	(s)	0	70	0	50	121	4
Kerosene	5	1	0	2	2	8	(s)
Distillate Fuel Oil	10	2	642	1	933	1,588	53
Residual Fuel Oil	160	0	1,377	0	5,622	7,160	239
Naphtha < 400 Deg. for Petro. Feed. Use	40	21	15	1	5	82	3
Other Oils > 400 Deg. for Petro. Feed. Use	(s)	46	128	0	(s)	175	6
Special Naphthas	9	5	275	(s)	(s)	289	10
Lubricants	129	31	458	4	49	671	22
Waxes	12	2	29	0	11	54	2
Petroleum Coke	192	199	3,032	0	2,601	6,024	201
Asphalt	(s)	14	(s)	2	71	87	3
Miscellaneous Products	15	2	3	(s)	3	22	1
Total Product Exports	609	869	7,134	27	10,067	18,706	624
Total Exports	**609**	**1,323**	**7,134**	**27**	**17,022**	**26,115**	**870**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, May 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	94	0	0	2,031	2,125	69
Natural Gas Liquids	22	520	508	18	53	1,120	36
Pentanes Plus	0	71	0	0	0	71	2
Liquefied Petroleum Gases	22	449	508	18	53	1,049	34
Ethane	(s)	141	0	0	0	142	5
Propane	8	119	495	8	21	650	21
Normal Butane	13	119	13	10	32	186	6
Isobutane	0	71	0	0	0	71	2
Finished Motor Gasoline	12	80	1,108	(s)	293	1,494	48
Naphtha-Type Jet Fuel	(s)	13	0	0	0	14	(s)
Kerosene-Type Jet Fuel	1	(s)	62	0	55	117	4
Kerosene	5	1	0	0	1	7	(s)
Distillate Fuel Oil	8	(s)	109	1	1,477	1,595	51
Residual Fuel Oil	(s)	0	754	0	3,699	4,454	144
Naphtha < 400 Deg. for Petro. Feed. Use	35	10	26	0	10	81	3
Other Oils > 400 Deg. for Petro. Feed. Use	1	0	576	0	193	769	25
Special Naphthas	7	2	13	0	2	25	1
Lubricants	226	61	415	5	71	778	25
Waxes	5	1	14	0	11	31	1
Petroleum Coke	20	354	4,255	0	3,321	7,950	256
Asphalt	1	33	(s)	1	1	35	1
Miscellaneous Products	11	2	31	(s)	3	46	1
Total Product Exports	354	1,077	7,871	24	9,188	18,515	597
Total Exports	**354**	**1,171**	**7,871**	**24**	**11,219**	**20,640**	**666**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, June 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	422	0	0	3,046	3,468	116
Natural Gas Liquids	24	69	496	37	38	663	22
Pentanes Plus	0	3	0	0	0	3	(s)
Liquefied Petroleum Gases	24	67	496	37	38	660	22
Ethane	(s)	5	1	0	0	6	(s)
Propane	17	10	421	15	16	479	16
Normal Butane	7	49	74	22	22	173	6
Isobutane	0	3	0	0	0	3	(s)
Finished Motor Gasoline	141	52	946	1	241	1,381	46
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	2	1	70	0	73	146	5
Kerosene	4	2	0	0	(s)	7	(s)
Distillate Fuel Oil	241	2	581	(s)	1,010	1,834	61
Residual Fuel Oil	48	0	598	0	2,494	3,140	105
Naphtha < 400 Deg. for Petro. Feed. Use	36	12	22	2	9	82	3
Other Oils > 400 Deg. for Petro. Feed. Use	0	82	453	0	259	793	26
Special Naphthas	7	2	7	(s)	(s)	17	1
Lubricants	115	84	445	5	74	724	24
Waxes	11	1	9	0	11	32	1
Petroleum Coke	455	181	3,507	1	3,589	7,733	258
Asphalt	1	2	1	1	1	6	(s)
Miscellaneous Products	13	2	34	0	6	55	2
Total Product Exports	1,097	491	7,170	46	7,806	16,610	554
Total Exports	**1,097**	**913**	**7,170**	**46**	**10,852**	**20,078**	**669**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, July 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	468	0	0	4,149	4,616	149
Natural Gas Liquids	18	550	367	32	39	1,006	32
Pentanes Plus	0	77	0	0	0	77	2
Liquefied Petroleum Gases	18	473	367	32	39	929	30
Ethane	(s)	153	1	0	(s)	155	5
Propane	12	132	343	13	16	516	17
Normal Butane	6	111	23	19	23	181	6
Isobutane	0	77	0	0	0	77	2
Finished Motor Gasoline	2	58	344	2	605	1,010	33
Naphtha-Type Jet Fuel	0	0	(s)	0	0	(s)	(s)
Kerosene-Type Jet Fuel	0	3	81	1	54	139	4
Kerosene	3	2	(s)	0	(s)	5	(s)
Distillate Fuel Oil	4	1	571	0	613	1,189	38
Residual Fuel Oil	2	1	1,324	0	4,090	5,417	175
Naphtha < 400 Deg. for Petro. Feed. Use	30	27	19	(s)	157	233	8
Other Oils > 400 Deg. for Petro. Feed. Use	0	13	183	0	3	199	6
Special Naphthas	6	2	6	0	(s)	15	(s)
Lubricants	165	26	402	8	274	875	28
Waxes	5	2	12	(s)	10	28	1
Petroleum Coke	176	43	3,170	0	2,925	6,314	204
Asphalt	(s)	1	1	1	2	5	(s)
Miscellaneous Products	16	1	11	1	3	32	1
Total Product Exports	427	729	6,491	45	8,776	16,469	531
Total Exports	**427**	**1,197**	**6,491**	**45**	**12,925**	**21,085**	**680**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet, 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, August 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	646	0	0	3,734	4,380	141
Natural Gas Liquids	50	664	307	21	50	1,093	35
Pentanes Plus	0	81	0	0	0	81	3
Liquefied Petroleum Gases	50	583	307	21	50	1,012	33
Ethane	(s)	161	(s)	0	(s)	162	5
Propane	36	223	299	9	21	588	19
Normal Butane	14	119	8	12	29	182	6
Isobutane	0	81	0	0	0	81	3
Finished Motor Gasoline	13	58	509	1	4	585	19
Naphtha-Type Jet Fuel	0	0	(s)	(s)	60	61	2
Kerosene-Type Jet Fuel	0	0	37	0	37	74	2
Kerosene	9	2	0	0	19	30	1
Distillate Fuel Oil	75	1	328	(s)	1,062	1,466	47
Residual Fuel Oil	6	0	1,754	0	3,990	5,750	185
Naphtha < 400 Deg. for Petro. Feed. Use	25	14	27	(s)	50	116	4
Other Oils > 400 Deg. for Petro. Feed. Use	0	55	581	0	1	638	21
Special Naphthas	6	1	8	(s)	106	121	4
Lubricants	212	33	346	5	91	686	22
Waxes	4	2	7	0	15	29	1
Petroleum Coke	219	152	3,221	0	1,914	5,505	178
Asphalt	(s)	3	(s)	1	2	6	(s)
Miscellaneous Products	17	2	21	(s)	6	46	1
Total Product Exports	638	986	7,146	29	7,408	16,206	523
Total Exports	**638**	**1,632**	**7,146**	**29**	**11,142**	**20,586**	**664**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, September 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	260	0	0	3,218	3,478	116
Natural Gas Liquids	13	515	1,159	2	48	1,739	58
Pentanes Plus	0	70	0	0	0	70	2
Liquefied Petroleum Gases	13	445	1,159	2	48	1,668	56
Ethane	1	140	(s)	0	(s)	141	5
Propane	7	123	1,123	1	21	1,274	42
Normal Butane	6	112	36	1	28	183	6
Isobutane	0	70	0	0	0	70	2
Finished Motor Gasoline	5	7	647	(s)	243	903	30
Naphtha-Type Jet Fuel	3	0	21	(s)	0	24	1
Kerosene-Type Jet Fuel	4	70	873	0	82	1,029	34
Kerosene	5	2	0	0	0	7	(s)
Distillate Fuel Oil	8	62	1,441	[illegible]	414	1,924	64
Residual Fuel Oil	1	0	1,544	0	3,754	5,298	177
Naphtha < 400 Deg. for Petro. Feed. Use	28	18	38	(s)	11	95	3
Other Oils > 400 Deg. for Petro. Feed. Use	44	105	274	0	223	646	22
Special Naphthas	5	2	14	0	1	23	1
Lubricants	116	36	388	4	89	633	21
Waxes	8	2	14	(s)	10	34	1
Petroleum Coke	89	82	4,980	0	2,841	7,992	266
Asphalt	1	3	1	[illegible]	1	7	(s)
Miscellaneous Products	14	1	15	0	3	33	1
Total Product Exports	345	906	11,409	3	7,720	20,387	680
Total Exports	**345**	**1,165**	**11,409**	3	**10,938**	**23,865**	**795**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet 2) certain domestically produced crude oil destined for Canada, and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, October 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	371	0	0	2,222	2,592	84
Natural Gas Liquids	24	98	502	30	60	714	23
Pentanes Plus	0	2	0	0	0	2	(s)
Liquefied Petroleum Gases	24	96	502	30	60	711	23
Ethane	0	4	(s)	0	0	5	(s)
Propane	12	6	459	12	24	512	17
Normal Butane	12	84	42	18	36	192	6
Isobutane	0	2	0	0	0	2	(s)
Finished Motor Gasoline	23	136	314	0	177	650	21
Naphtha-Type Jet Fuel	1	0	0	0	0	1	(s)
Kerosene-Type Jet Fuel	72	0	952	0	62	1,086	35
Kerosene	8	2	(s)	0	(s)	10	(s)
Distillate Fuel Oil	22	98	406	(s)	1,115	1,640	53
Residual Fuel Oil	1	0	1,793	0	4,207	6,000	194
Naphtha < 400 Deg. for Petro. Feed. Use	21	22	33	1	8	86	3
Other Oils > 400 Deg. for Petro. Feed. Use	0	29	182	0	94	305	10
Special Naphthas	5	5	6	0	3	19	1
Lubricants	160	35	296	3	147	641	21
Waxes	3	2	21	0	9	35	1
Petroleum Coke	20	282	4,287	0	1,572	6,161	199
Asphalt	2	2	1	1	39	44	1
Miscellaneous Products	19	2	7	(s)	3	31	1
Total Product Exports	380	713	8,800	35	7,495	17,424	562
Total Exports	**380**	**1,084**	**8,800**	**35**	**9,717**	**20,016**	**646**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, November 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	823	0	0	4,084	4,907	164
Natural Gas Liquids	35	498	478	22	74	1,106	37
Pentanes Plus	0	67	0	0	0	67	2
Liquefied Petroleum Gases	35	430	478	22	74	1,039	35
Ethane	(s)	134	(s)	0	(s)	135	5
Propane	27	118	402	9	30	585	20
Normal Butane	8	110	76	13	44	252	8
Isobutane	0	67	0	0	0	67	2
Finished Motor Gasoline	10	57	650	1	243	962	32
Naphtha-Type Jet Fuel	(s)	53	0	0	0	53	2
Kerosene-Type Jet Fuel	22	1	1,215	0	99	1,336	45
Kerosene	10	1	12	(s)	(s)	23	1
Distillate Fuel Oil	40	2	1,283	(s)	361	1,686	56
Residual Fuel Oil	0	0	1,483	0	2,888	4,371	146
Naphtha < 400 Deg. for Petro. Feed. Use	29	9	43	(s)	8	90	3
Other Oils > 400 Deg. for Petro. Feed. Use	8	15	539	0	64	627	21
Special Naphthas	23	6	66	0	3	98	3
Lubricants	275	58	198	3	129	663	22
Waxes	5	3	19	0	6	32	1
Petroleum Coke	96	70	2,386	0	3,471	6,024	201
Asphalt	1	1	2	1	76	81	3
Miscellaneous Products	14	1	24	1	6	45	2
Total Product Exports	570	773	8,398	28	7,428	17,198	573
Total Exports	**570**	**1,596**	**8,398**	**28**	**11,512**	**22,105**	737

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet, 2) certain domestically produced crude oil destined for Canada, and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, December 1987
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	0	419	0	0	6,390	6,809	220
Natural Gas Liquids	18	555	1,135	49	59	1,816	59
Pentanes Plus	0	68	0	0	0	68	2
Liquefied Petroleum Gases	18	487	1,135	49	59	1,749	56
Ethane	(s)	135	(s)	0	0	135	4
Propane	10	120	1,105	19	24	1,277	41
Normal Butane	9	165	30	31	35	269	9
Isobutane	0	68	0	0	0	68	2
Finished Motor Gasoline	16	39	880	(s)	893	1,828	59
Naphtha-Type Jet Fuel	0	0	0	(s)	120	120	4
Kerosene-Type Jet Fuel	74	(s)	1,871	0	341	2,287	74
Kerosene	16	191	115	0	0	322	10
Distillate Fuel Oil	19	51	1,055	0	1,734	2,859	92
Residual Fuel Oil	1	0	3,984	0	5,308	9,292	300
Naphtha < 400 Deg. for Petro. Feed. Use	49	24	11	(s)	141	225	7
Other Oils > 400 Deg. for Petro. Feed. Use	2	23	108	0	115	248	8
Special Naphthas	9	3	100	0	4	117	4
Lubricants	208	62	241	2	155	668	22
Waxes	5	118	13	0	8	144	5
Petroleum Coke	14	152	3,370	1	2,445	5,982	193
Asphalt	(s)	19	(s)	0	3	22	1
Miscellaneous Products	26	1	7	0	5	39	1
Total Product Exports	456	1,239	12,891	53	11,329	25,968	838
Total Exports	**456**	**1,658**	**12,891**	**53**	**17,719**	**32,777**	**1,057**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, January 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	217	0	0	(s)	(s)	0	0	0	217	7
Australia	0	2	469	0	0	0	(s)	2	(s)	230	(s)	(s)	703	23
Bahamas	0	16	55	213	362	333	0	1	0	0	0	0	980	32
Belgium & Luxembourg	0	28	0	0	0	0	(s)	9	(s)	0	0	1	38	1
Brazil	0	0	0	0	0	0	0	(s)	0	11	0	1	12	(s)
Cameroon	0	0	0	0	0	0	0	0	0	36	0	(s)	36	1
Canada	207	467	9	613	55	330	6	59	4	274	3	125	2,151	69
Chile	0	(s)	0	0	0	0	(s)	1	(s)	0	0	(s)	2	(s)
China, Taiwan	0	2	0	0	99	0	(s)	12	3	83	0	2	201	6
Colombia	0	(s)	0	0	0	0	(s)	11	(s)	(s)	0	(s)	12	(s)
Costa Rica	0	(s)	0	0	0	0	(s)	9	(s)	(s)	0	(s)	10	(s)
Denmark	0	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)
Dominican Republic	0	0	0	0	0	0	0	19	0	0	0	1	19	1
Ecuador	0	0	0	0	0	0	(s)	1	1	0	0	1	3	(s)
Egypt	0	0	0	0	0	0	0	3	0	0	(s)	0	3	(s)
El Salvador	0	(s)	0	6	0	0	(s)	1	(s)	0	0	(s)	8	(s)
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	(s)	0	0	350	0	0	(s)	1	299	0	167	818	26
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	0	0	28	0	[illegible]	28	1
Greece	0	(s)	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Guatemala	0	0	122	31	200	0	1	5	(s)	0	0	0	359	12
Guinea	0	0	0	0	0	0	0	12	0	0	0	0	12	(s)
Honduras	0	(s)	0	0	0	0	1	1	0	0	[illegible]	[illegible]	1	(s)
Hong Kong	0	(s)	0	0	(s)	0	(s)	2	(s)	0	(s)	1	3	(s)
India	0	0	0	0	0	0	1	(s)	(s)	0	0	[illegible]	[illegible]	(s)
Indonesia	0	0	0	0	0	0	0	7	0	0	(s)	[illegible]	7	(s)
Israel	0	0	0	0	0	0	(s)	1	(s)	(s)	0	[illegible]	1	(s)
Italy	0	0	0	0	0	601	0	(s)	(s)	[illegible]	0	[illegible]	1,055	34
Ivory Coast	0	0	0	0	0	0	0	16	0	0	0	0	16	1
Jamaica	0	26	13	0	22	351	(s)	25	0	0	0	1	437	14
Japan	0	14	398	480	524	765	(s)	22	[illegible]	1,086	[illegible]	[illegible]	[illegible]	[illegible]
Jordan	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Korea, Republic	0	1	0	0	284	515	0	2	(s)	61	0	[illegible]	864	28
Kuwait	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Malaysia	0	0	0	0	0	269	0	(s)	1	0	(s)	1	270	7
Mexico	0	622	0	39	0	1,208	(s)	90	12	69	(s)	9	2,048	66
Netherlands	0	30	0	82	530	206	0	8	(s)	612	(s)	137	1,935	64
Netherlands Antilles	0	0	0	0	205	120	0	1	0	0	0	0	326	12
New Zealand	0	0	261	0	0	0	0	1	(s)	123	[illegible]	[illegible]	385	12
Nigeria	0	0	0	0	0	0	0	[illegible]	0	0	0	0	[illegible]	[illegible]
Norway	0	0	0	0	0	0	0	(s)	0	0	[illegible]	(s)	1	[illegible]
Pacific Trust Terr	0	0	0	0	0	0	0	(s)	0	0	[illegible]	0	(s)	(s)
Panama	0	30	0	0	2	0	[illegible]	3	0	0	0	[illegible]	55	2
Peru	0	0	0	0	0	0	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	1	[illegible]
Philippines	0	(s)	0	0	0	0	[illegible]	1	(s)	0	0	[illegible]	1	(s)
Puerto Rico	313	1	26	0	0	0	[illegible]	11	(s)	0	0	9	83	3
Rep. of South Africa	0	38	0	0	0	0	0	[illegible]	(s)	101	0	(s)	[illegible]	[illegible]
Saudi Arabia	0	13	0	0	0	0	[illegible]	4	0	0	0	1	22	1
Singapore	0	(s)	0	0	[illegible]	[illegible]	[illegible]	[illegible]	(s)	0	0	[illegible]	[illegible]	[illegible]

See footnotes at end of table

Table 17. Exports of Crude Oil and Petroleum Products by Destination, January 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	435	0	1	(s)	283	0	44	764	25
Surinam	0	16	0	0	0	184	0	(s)	0	11	0	(s)	212	7
Sweden	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Switzerland	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	0	1	(s)	0	0	1	2	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
United Arab Emirates	0	0	0	0	0	0	0	11	0	0	0	(s)	11	(s)
United Kingdom	0	0	0	0	0	0	0	72	1	249	1	2	324	10
U.S.S.R.	0	0	0	0	0	0	0	76	0	0	0	2	77	2
Uruguay	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	(s)	(s)
Venezuela	0	0	0	0	0	0	0	1	(s)	83	0	1	84	3
Virgin Islands	2,055	0	0	0	0	0	0	(s)	0	0	0	(s)	2,055	66
West Germany	0	44	0	0	0	0	0	7	1	50	(s)	1	103	3
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	7	19	24	22	124	(s)	10	(s)	0	(s)	30	237	8
Total	**2,595**	**1,348**	**1,371**	**1,468**	**3,562**	**6,138**	**11**	**530**	**29**	**4,078**	**5**	**656**	**21,791**	**703**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	(s)	(s)	50	0	(s)	51	2
Australia	0	1	0	0	0	362	(s)	8	(s)	136	0	12	519	19
Bahamas	0	15	23	15	174	791	0	3	0	0	0	(s)	1,020	36
Bahrain	0	0	0	0	0	0	0	0	0	64	0	0	64	2
Belgium & Luxembourg	0	74	0	0	0	0	1	17	(s)	191	0	(s)	283	10
Brazil	0	0	0	0	0	0	0	(s)	(s)	18	0	1	19	1
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	1,248	392	18	172	345	171	5	54	5	108	3	92	2,613	93
Chile	0	0	0	0	0	0	2	25	(s)	0	(s)	(s)	27	1
China, Taiwan	0	1	0	0	261	0	0	25	(s)	46	0	3	335	12
Colombia	0	(s)	0	0	0	0	0	2	(s)	0	0	2	3	(s)
Costa Rica	0	(s)	0	0	0	0	0	8	(s)	0	0	6	15	1
Denmark	0	1	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Dominican Republic	0	1	0	0	0	0	0	3	0	0	0	(s)	4	(s)
Ecuador	0	0	0	0	0	0	1	31	(s)	0	0	1	33	1
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
El Salvador	0	13	0	0	0	0	0	3	0	(s)	0	(s)	17	1
Finland	0	0	0	0	0	0	0	(s)	0	0	(s)	(s)	(s)	(s)
France	0	0	0	0	0	0	0	9	16	285	0	83	393	14
French Pacific Isl	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Greece	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Guatemala	0	27	62	16	97	0	0	11	0	0	0	(s)	213	8
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	3	4	0	35	0	0	7	0	0	0	1	50	2
Hong Kong	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
India	0	0	0	0	0	0	(s)	18	(s)	0	0	22	41	1
Indonesia	0	(s)	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Israel	0	0	0	0	0	0	0	(s)	0	(s)	0	3	3	(s)
Italy	0	(s)	0	0	0	700	(s)	2	1	2,109	(s)	1	2,813	100
Ivory Coast	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Jamaica	0	29	9	0	0	319	(s)	1	(s)	0	0	1	360	13
Japan	0	1	130	75	722	852	1	5	2	2,224	0	7	4,019	144
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Korea, Republic	543	2	0	0	0	470	0	3	23	174	0	73	1,289	46
Kuwait	0	0	0	0	0	0	0	1	0	0	(s)	(s)	1	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Malaysia	0	(s)	0	0	0	0	0	(s)	1	0	0	(s)	1	(s)
Mexico	0	410	1	42	1	555	1	145	9	28	0	6	1,198	43
Netherlands	0	0	0	200	0	0	0	2	1	749	(s)	49	1,001	36
Netherlands Antilles	0	(s)	9	0	0	567	0	219	0	0	0	(s)	796	28
New Zealand	0	0	279	0	0	0	0	3	(s)	0	0	1	285	10
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Norway	0	0	0	0	0	0	0	(s)	0	127	0	(s)	128	5
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	40	67	0	65	226	2	2	0	0	0	(s)	402	14
Peru	0	19	0	0	0	0	0	29	0	0	0	1	49	2
Philippines	0	(s)	0	0	0	0	(s)	(s)	(s)	0	0	(s)	1	(s)
Puerto Rico	1,401	1	0	0	0	0	(s)	17	2	(s)	0	8	1,429	51
Rep. of South Africa	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Saudi Arabia	0	1	0	0	0	0	0	1	0	0	(s)	2	3	(s)
Singapore	0	(s)	0	0	(s)	950	(s)	5	0	0	0	1	956	34

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, February 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	863	0	(s)	(s)	(s)	271	0	118	1,252	45
Surinam	0	17	0	0	0	0	0	(s)	0	0	0	0	17	1
Sweden	0	0	0	0	0	0	0	1	0	0	0	4	6	(s)
Switzerland	0	1	0	0	0	0	0	1	0	0	0	(s)	2	(s)
Thailand	0	(s)	0	0	0	0	0	2	1	0	0	1	4	(s)
Trinidad and Tobago	0	(s)	0	0	1	0	0	(s)	0	0	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	9	0	358	0	0	367	13
United Arab Emirates	0	1	0	0	0	0	0	3	0	58	0	(s)	62	2
United Kingdom	0	(s)	0	(s)	2	0	(s)	7	(s)	0	1	3	14	1
U.S.S.R.	0	0	0	0	0	0	0	0	0	0	0	6	6	(s)
Uruguay	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Venezuela	0	(s)	0	0	0	0	0	6	(s)	0	0	(s)	6	(s)
Virgin Islands	4,748	0	0	0	0	0	0	0	0	0	0	0	4,748	170
West Germany	0	(s)	0	0	0	0	0	1	11	70	0	(s)	83	3
Yugoslavia	0	0	0	0	0	0	0	0	0	27	0	0	27	1
Other	0	4	19	46	27	219	(s)	5	(s)	(s)	(s)	2	321	11
Total	**7,940**	**1,054**	**622**	**566**	**2,593**	**6,181**	**15**	**704**	**73**	**7,093**	**5**	**513**	**27,358**	**977**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Destination	Crude Oil 1	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other2	Total	Total (Daily Average)
Argentina	0	1	0	0	0	0	(s)	2	0	0	0	(s)	3	(s)
Australia	0	0	0	0	0	370	0	3	(s)	200	0	6	579	19
Bahamas	0	17	40	34	76	591	0	3	0	0	0	(s)	762	25
Bahrain	0	1	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Belgium & Luxembourg	0	219	0	0	0	0	0	13	(s)	8	(s)	(s)	240	8
Brazil	0	1	0	0	0	0	(s)	(s)	0	0	0	0	1	(s)
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	585	466	20	112	262	(s)	7	63	4	319	3	210	2,051	66
Chile	0	(s)	0	0	0	0	0	2	0	0	(s)	(s)	3	(s)
China, Taiwan	0	(s)	0	0	218	0	1	24	2	2	0	5	251	8
Colombia	0	0	0	0	0	0	0	1	(s)	(s)	0	2	3	(s)
Costa Rica	0	(s)	0	0	0	0	3	7	(s)	0	19	2	32	1
Denmark	0	0	0	0	0	0	0	(s)	(s)	274	(s)	(s)	275	9
Dominican Republic	0	25	0	0	0	0	0	10	(s)	0	0	1	36	1
Ecuador	0	0	0	0	0	0	(s)	(s)	(s)	0	0	1	2	(s)
Egypt	0	2	0	0	0	0	0	(s)	(s)	0	0	(s)	2	(s)
El Salvador	0	0	9	0	0	0	(s)	2	0	0	0	(s)	12	(s)
Finland	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	(s)	(s)
France	0	0	0	0	0	0	0	82	2	0	0	67	150	5
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	61	0	0	61	2
Greece	0	0	0	0	0	0	0	(s)	(s)	96	0	(s)	96	3
Guatemala	0	31	118	24	235	0	1	11	3	0	0	(s)	424	14
Honduras	0	3	0	0	(s)	0	1	6	0	0	0	(s)	11	(s)
Hong Kong	0	0	0	0	0	0	(s)	1	1	0	0	1	2	(s)
India	0	10	0	0	0	0	0	(s)	(s)	0	0	0	10	(s)
Indonesia	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Israel	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Italy	0	1	0	0	348	0	0	2	2	1,154	0	221	1,728	56
Ivory Coast	0	0	0	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Jamaica	0	15	0	0	0	118	(s)	26	(s)	0	0	2	161	5
Japan	0	1	379	0	395	952	1	31	2	1,945	0	58	3,764	121
Jordan	0	(s)	0	0	0	0	0	1	0	0	0	0	2	(s)
Korea, Republic	0	3	0	0	260	589	(s)	10	1	(s)	0	85	948	31
Kuwait	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Lebanon	0	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)
Liberia	0	(s)	0	0	0	0	0	0	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	1	1	17	0	(s)	19	1
Mexico	0	737	0	50	112	1,295	1	166	17	78	2	10	2,467	80
Netherlands	0	0	0	19	0	0	(s)	8	(s)	1,344	0	25	1,397	45
Netherlands Antilles	0	0	0	0	0	300	0	1	0	0	0	(s)	302	10
New Zealand	0	0	0	0	0	0	(s)	(s)	(s)	0	0	(s)	1	(s)
Nigeria	0	0	0	0	0	0	0	1	0	0	0	1	2	(s)
Norway	0	2	0	0	0	0	0	(s)	(s)	94	0	(s)	96	3
Pacific Trust Terr.	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Panama	0	0	49	0	100	43	(s)	18	0	(s)	0	1	211	7
Peru	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Philippines	0	25	0	0	0	0	(s)	4	(s)	(s)	0	87	116	4
Puerto Rico	874	6	0	0	0	0	(s)	18	2	1	0	8	909	29
Rep. of South Africa	0	(s)	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Saudi Arabia	0	6	0	0	0	0	(s)	3	0	(s)	0	3	12	(s)
Singapore	0	1	0	0	0	0	(s)	4	(s)	0	(s)	3	8	(s)

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, March 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	0	368	0	1	(s)	460	0	1	830	27
Surinam	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Sweden	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Switzerland	0	1	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Thailand	0	1	0	0	0	0	0	6	1	0	0	97	104	3
Trinidad and Tobago	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Turkey	0	0	0	0	0	0	0	(s)	0	320	0	(s)	320	10
United Arab Emirates	0	0	0	0	0	0	0	6	0	0	0	(s)	6	(s)
United Kingdom	0	(s)	0	0	67	33	(s)	2	(s)	10	1	4	119	4
U.S.S.R.	0	0	0	0	0	0	0	122	0	138	0	12	271	9
Uruguay	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Venezuela	0	0	0	0	0	0	(s)	1	1	83	0	1	86	3
Virgin Islands	3,186	0	0	0	0	0	0	(s)	0	0	0	0	3,186	103
West Germany	0	(s)	0	0	0	0	0	76	(s)	74	(s)	10	162	5
Yugoslavia	0	0	0	0	0	0	0	0	0	44	0	0	44	1
Other	0	23	0	0	0	(s)	(s)	6	(s)	0	(s)	1	30	1
Total	**4,645**	**1,598**	**615**	**239**	**2,073**	**4,659**	**17**	**750**	**41**	**6,723**	**25**	**930**	**22,316**	**720**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, April 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	1	0	0	262	0	0	(s)	(s)	0	0	0	264	9
Australia	0	1	70	0	0	0	0	2	(s)	198	(s)	1	273	9
Bahamas	0	16	61	26	199	643	0	1	0	0	0	(s)	946	32
Bahrain	0	0	0	0	0	0	(s)	(s)	0	0	0	0	(s)	(s)
Belgium & Luxembourg	0	46	0	0	0	0	1	23	0	1,062	(s)	10	1,142	38
Brazil	0	1	0	0	0	0	(s)	20	(s)	56	0	3	80	3
Cameroon	0	0	0	0	0	0	0	0	0	36	0	0	36	1
Canada	454	503	20	16	89	267	277	67	5	756	85	163	2,702	90
Chile	0	(s)	0	0	0	0	0	26	(s)	0	0	(s)	27	1
China, Taiwan	0	(s)	0	0	0	0	0	16	2	80	0	2	100	3
Colombia	0	0	0	0	0	0	0	30	(s)	(s)	0	1	30	1
Costa Rica	0	(s)	11	0	0	0	2	7	(s)	0	0	1	20	1
Denmark	0	1	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Dominican Republic	0	9	75	0	61	0	0	4	0	0	0	(s)	148	5
Ecuador	0	0	0	0	0	0	(s)	23	0	0	0	1	23	1
Egypt	0	0	0	0	0	0	0	23	0	0	0	(s)	23	1
El Salvador	0	(s)	0	0	0	0	0	15	0	0	0	(s)	15	1
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	(s)	0	0	0	0	1	1	1	368	0	71	442	15
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	44	0	(s)	44	1
Greece	0	(s)	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Guatemala	0	16	0	0	0	0	3	5	0	(s)	0	(s)	25	1
Guinea	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Honduras	0	(s)	5	0	50	0	0	17	(s)	0	0	2	74	2
Hong Kong	0	0	0	0	0	0	0	3	(s)	0	0	(s)	3	(s)
India	0	0	0	0	0	0	0	1	(s)	0	0	1	2	(s)
Indonesia	0	0	0	0	0	0	0	5	0	0	0	0	5	(s)
Israel	0	0	0	0	0	0	(s)	1	0	0	0	5	6	(s)
Italy	0	2	0	0	0	21	0	1	1	866	0	1	892	30
Ivory Coast	0	0	0	0	0	0	0	24	0	0	0	0	24	1
Jamaica	0	55	14	0	0	296	0	(s)	(s)	0	0	2	367	12
Japan	0	3	850	0	591	753	1	12	2	801	0	5	3,017	101
Jordan	0	1	0	0	0	0	0	2	0	0	0	0	3	(s)
Korea, Republic	0	3	0	0	0	1,192	(s)	18	1	0	(s)	3	1,217	41
Kuwait	0	(s)	0	0	0	0	(s)	1	0	0	0	(s)	2	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Malaysia	0	0	0	0	0	0	0	1	1	0	(s)	0	2	(s)
Mexico	0	306	1	35	0	1,374	1	81	26	69	(s)	9	1,902	63
Netherlands	0	68	0	0	0	0	0	3	(s)	735	(s)	49	855	29
Netherlands Antilles	0	0	0	0	0	571	(s)	3	0	0	0	(s)	574	19
New Zealand	0	0	0	0	0	0	0	(s)	(s)	83	0	1	84	3
Nigeria	0	0	0	0	0	0	0	2	0	0	0	(s)	3	(s)
Norway	0	1	0	0	0	0	0	(s)	0	0	(s)	0	2	(s)
Pacific Trust Terr.	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Panama	0	(s)	3	0	31	329	0	4	(s)	(s)	0	1	369	12
Peru	0	15	30	0	0	0	0	23	(s)	0	(s)	(s)	68	2
Philippines	0	(s)	0	0	0	0	0	(s)	(s)	0	0	1	2	(s)
Puerto Rico	1,213	8	82	0	0	221	1	16	1	0	0	7	1,548	52
Rep. of South Africa	0	0	0	0	0	0	0	1	(s)	77	(s)	(s)	79	3
Saudi Arabia	0	4	0	0	0	0	0	3	0	0	0	1	8	(s)
Singapore	0	(s)	0	0	266	416	(s)	7	(s)	0	0	2	692	23

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, April 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	0	917	0	1	(s)	474	0	1	1,392	46
Surinam	0	15	0	0	0	100	0	(s)	0	0	0	(s)	115	4
Sweden	0	0	0	0	0	0	0	1	(s)	0	(s)	(s)	2	(s)
Switzerland	0	1	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	0	1	1	0	0	1	3	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	7	0	0	0	0	7	(s)
United Arab Emirates	0	0	0	0	0	0	0	17	0	58	0	(s)	75	2
United Kingdom	0	(s)	0	0	0	0	0	17	1	(s)	1	3	22	1
U.S.S.R.	0	0	0	0	0	0	0	114	0	63	0	8	186	6
Uruguay	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Venezuela	0	(s)	0	0	0	0	2	2	(s)	112	0	(s)	116	4
Virgin Islands	5,742	0	0	0	0	0	0	0	0	0	0	0	5,742	191
West Germany	0	0	0	0	0	0	(s)	2	11	85	(s)	1	100	3
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	9	46	44	39	59	(s)	14	(s)	0	(s)	1	213	7
Total	**7,409**	**1,085**	**1,266**	**121**	**1,588**	**7,160**	**289**	**671**	**54**	**6,024**	**87**	**360**	**26,115**	**870**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products By Destination, May 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	1	0	0	0	665	0	4	1	0	0	0	671	22
Australia	0	1	0	0	0	0	3	5	(s)	499	0	9	517	17
Bahamas	0	(s)	0	(s)	0	523	0	1	0	0	0	(s)	525	17
Bahrain	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Belgium & Luxembourg	0	36	0	0	0	0	0	(s)	0	492	(s)	1	529	17
Brazil	0	0	65	0	0	0	0	(s)	(s)	74	0	2	141	5
Cameroon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Canada	94	473	240	33	163	3	7	200	4	336	33	101	1,688	54
Chile	0	(s)	0	0	0	0	0	1	0	0	(s)	1	2	(s)
China, Taiwan	0	(s)	0	0	0	0	(s)	29	2	1	(s)	2	35	1
Colombia	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Costa Rica	0	(s)	0	0	0	0	(s)	8	(s)	0	(s)	8	16	1
Denmark	0	(s)	0	0	0	0	0	(s)	0	115	(s)	(s)	116	4
Dominican Republic	0	21	0	0	0	0	0	2	(s)	(s)	0	1	25	1
Ecuador	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
El Salvador	0	0	0	0	0	0	(s)	2	0	0	0	(s)	2	(s)
Finland	0	0	0	0	0	0	0	1	0	0	(s)	(s)	2	(s)
France	0	(s)	(s)	0	0	0	0	82	1	703	0	128	914	29
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0	(s)	0	339	0	0	339	11
Guatemala	0	51	56	50	0	0	(s)	7	0	0	0	(s)	164	5
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	7	0	0	0	0	1	1	0	0	0	2	11	(s)
Hong Kong	0	(s)	0	0	0	0	0	1	(s)	0	(s)	(s)	2	(s)
India	0	0	0	0	0	0	0	6	0	0	0	1	7	(s)
Indonesia	0	0	0	0	0	0	0	8	(s)	0	0	0	8	(s)
Israel	0	0	0	0	0	0	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Italy	0	(s)	0	0	0	21	0	(s)	(s)	1,082	0	225	1,329	43
Jamaica	0	15	16	0	26	110	(s)	1	0	0	0	1	169	5
Japan	0	27	665	0	887	892	4	60	2	2,109	(s)	52	4,698	152
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic	0	3	0	0	180	0	1	2	1	232	0	86	505	16
Kuwait	0	1	0	0	0	0	(s)	2	0	0	(s)	1	4	(s)
Malaysia	0	0	0	0	0	0	0	(s)	1	0	0	68	69	2
Mexico	0	269	2	36	1	1,441	1	118	13	65	(s)	18	1,963	63
Netherlands	0	0	0	0	0	0	(s)	8	1	580	(s)	(s)	589	19
Netherlands Antilles	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
New Zealand	0	0	0	0	0	0	0	2	(s)	(s)	(s)	1	3	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	0	0	0	0	0	0	(s)	(s)	61	0	(s)	62	2
Panama	0	0	0	0	0	0	1	2	0	0	0	(s)	3	(s)
Peru	0	0	0	0	0	0	0	1	(s)	(s)	0	(s)	1	(s)
Philippines	0	0	0	0	0	0	0	4	(s)	0	0	1	5	(s)
Puerto Rico	326	9	416	0	43	0	(s)	22	2	0	0	7	825	27
Rep. of South Africa	0	47	0	0	0	0	0	(s)	(s)	0	0	0	48	2
Saudi Arabia	0	(s)	0	0	0	0	(s)	3	0	2	(s)	(s)	6	(s)
Singapore	0	(s)	0	0	0	698	(s)	18	(s)	0	(s)	95	812	26

See footnotes at end of table

Table 17. Exports of Crude Oil and Petroleum Products by Destination, May 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	256	0	0	1	(s)	521	0	134	912	29
Surinam	0	15	0	0	0	100	0	(s)	0	0	0	0	115	4
Sweden	0	(s)	0	(s)	0	0	0	2	(s)	21	(s)	1	24	1
Switzerland	0	0	0	0	0	0	(s)	1	0	2	0	0	3	(s)
Thailand	0	0	0	0	0	0	(s)	(s)	1	0	0	(s)	1	(s)
Trinidad and Tobago	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)	(s)
United Arab Emirates	0	(s)	0	0	0	0	0	22	0	58	0	(s)	80	3
United Kingdom	0	62	0	0	0	0	(s)	3	(s)	340	(s)	4	410	13
U.S.S.R.	0	0	0	0	0	0	0	102	0	135	0	8	246	8
Uruguay	0	0	0	0	0	0	(s)	1	0	0	0	0	1	(s)
Venezuela	0	1	0	(s)	0	1	3	5	(s)	69	0	2	80	3
Virgin Islands	1,705	0	0	0	0	0	0	8	0	0	0	0	1,713	55
West Germany	0	3	0	0	0	0	2	12	1	63	(s)	9	90	3
Yugoslavia	0	0	0	0	0	0	0	0	0	50	0	0	50	2
Other	0	4	35	11	40	(s)	0	12	(s)	0	(s)	4	106	3
Total	**2,125**	**1,049**	**1,494**	**131**	**1,595**	**4,454**	**25**	**778**	**31**	**7,950**	**35**	**974**	**20,640**	**666**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, June 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	(s)	(s)	(s)	3	0	1	4	(s)
Australia	0	1	0	0	66	81	(s)	9	(s)	55	(s)	3	217	7
Bahamas	0	0	104	55	274	27	0	2	0	0	(s)	0	463	15
Bahrain	0	0	0	0	0	0	0	0	0	58	0	0	58	2
Belgium & Luxembourg	0	47	0	0	0	0	(s)	26	2	918	0	(s)	994	33
Brazil	0	0	0	0	0	0	0	42	0	0	0	1	43	1
Cameroon	0	0	0	0	0	0	0	(s)	(s)	0	(s)	0	(s)	(s)
Canada	422	106	291	28	75	11	7	146	7	249	3	118	1,463	49
Chile	0	1	0	0	0	0	0	33	(s)	(s)	(s)	1	36	1
China, Taiwan	0	0	0	0	0	0	0	16	3	86	(s)	1	106	4
Colombia	0	1	0	0	0	0	(s)	9	(s)	(s)	0	(s)	10	(s)
Costa Rica	0	(s)	0	0	0	0	3	9	(s)	(s)	0	16	29	1
Denmark	0	1	0	0	0	0	0	0	0	155	0	(s)	157	5
Dominican Republic	0	13	0	0	0	0	(s)	2	0	0	0	1	15	1
Ecuador	0	0	0	0	0	0	(s)	24	(s)	0	(s)	3	27	1
Egypt	0	1	0	0	0	0	0	(s)	0	0	0	0	1	(s)
El Salvador	0	0	66	0	25	0	(s)	5	(s)	0	0	0	96	3
Finland	0	0	0	0	0	0	0	(s)	0	0	(s)	(s)	(s)	(s)
France	0	0	0	0	0	0	0	1	2	0	0	134	136	5
French Pacific Isl	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	38	0	0	38	1
Greece	0	0	0	0	0	0	(s)	(s)	(s)	0	0	(s)	(s)	(s)
Guatemala	0	25	79	0	103	0	1	10	(s)	0	(s)	(s)	218	7
Honduras	0	6	2	0	52	0	0	2	0	0	0	(s)	62	2
Hong Kong	0	0	0	0	0	0	0	1	(s)	0	0	1	2	(s)
India	0	0	0	0	0	0	0	25	(s)	0	0	2	27	1
Indonesia	0	0	0	0	0	0	0	2	0	97	(s)	2	101	3
Israel	0	(s)	0	0	0	0	(s)	1	0	0	0	(s)	1	(s)
Italy	0	1	0	0	231	0	0	2	(s)	972	(s)	105	1,310	44
Ivory Coast	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Jamaica	0	28	0	0	0	295	(s)	13	1	0	0	1	338	11
Japan	0	(s)	654	0	644	383	1	31	2	1,976	(s)	136	3,826	128
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Korea, Republic	0	1	0	0	234	218	0	5	1	232	0	90	782	26
Kuwait	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Lebanon	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	1	0	0	1	2	(s)
Mexico	0	298	4	48	0	1,169	(s)	87	7	68	(s)	6	1,680	56
Netherlands	0	45	0	0	0	0	(s)	5	1	1,134	(s)	74	1,259	42
Netherlands Antilles	0	0	0	0	0	481	0	1	(s)	0	0	(s)	483	16
New Zealand	0	0	0	0	0	0	0	1	(s)	(s)	0	(s)	2	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	3	0	0	0	0	0	(s)	0	92	(s)	(s)	96	3
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	20	30	0	79	0	0	16	0	(s)	0	(s)	145	5
Peru	0	15	0	0	0	0	0	19	(s)	0	0	1	34	1
Philippines	0	0	0	0	0	0	(s)	(s)	(s)	0	0	1	1	(s)
Puerto Rico	353	1	120	0	0	7	(s)	11	1	0	0	3	496	17
Rep. of South Africa	0	1	0	0	0	0	0	(s)	(s)	0	(s)	(s)	2	(s)
Saudi Arabia	0	(s)	0	0	0	0	0	3	0	0	0	1	4	(s)
Singapore	0	(s)	0	0	0	0	(s)	6	(s)	0	0	54	60	2

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, June 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	372	0	4	0	1,046	0	89	1,511	50
Surinam	0	14	0	0	0	96	0	0	0	0	0	0	110	4
Sweden	0	0	0	0	0	0	0	1	(s)	297	0	1	299	10
Switzerland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Thailand	0	0	0	0	0	0	(s)	2	1	0	0	51	54	2
Trinidad and Tobago	0	1	0	0	0	0	0	(s)	0	0	0	1	2	(s)
Turkey	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
United Arab Emirates	0	0	0	0	0	0	0	38	0	0	0	0	38	1
United Kingdom	0	(s)	6	0	1	0	0	5	(s)	0	1	3	16	1
U.S.S.R.	0	0	0	0	0	0	0	79	0	148	0	24	250	8
Uruguay	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Venezuela	0	0	0	0	0	1	2	1	(s)	108	0	1	113	4
Virgin Islands	2,693	0	0	0	0	0	0	(s)	0	0	0	0	2,693	90
West Germany	0	10	0	0	0	0	0	7	1	0	0	10	28	1
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	19	25	15	50	0	(s)	16	(s)	0	(s)	1	126	4
Total	**3,468**	**660**	**1,381**	**146**	**1,834**	**3,140**	**17**	**724**	**32**	**7,733**	**6**	**939**	**20,078**	**669**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, July 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	1	0	0	0	0	0	1	(s)	0	0	(s)	2	(s)
Australia	202	1	0	0	0	204	(s)	151	(s)	72	0	6	635	20
Bahamas	0	9	98	40	436	547	0	33	0	0	0	(s)	1,163	38
Bahrain	0	0	0	0	0	0	0	(s)	0	64	0	0	64	2
Belgium & Luxembourg	0	(s)	0	0	0	0	(s)	7	(s)	967	(s)	(s)	975	31
Brazil	0	1	0	0	100	0	0	(s)	0	0	(s)	(s)	102	3
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	468	510	66	19	23	524	6	152	4	242	2	135	2,151	69
Chile	0	(s)	0	0	0	0	0	(s)	(s)	0	0	3	4	(s)
China, Taiwan	0	13	0	0	0	490	(s)	39	2	1	0	3	548	18
Colombia	0	0	0	0	0	0	0	2	0	0	0	2	4	(s)
Costa Rica	0	0	0	0	0	0	(s)	4	0	0	0	7	12	(s)
Denmark	0	1	0	0	0	0	0	0	(s)	91	(s)	(s)	92	3
Dominican Republic	0	0	0	0	0	0	0	(s)	0	(s)	0	(s)	1	(s)
Ecuador	0	0	0	0	0	0	1	(s)	(s)	0	0	(s)	1	(s)
Egypt	0	1	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
El Salvador	0	0	0	0	0	0	1	14	(s)	0	0	1	15	(s)
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	(s)	0	0	0	0	0	1	(s)	182	0	21	204	7
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	15	0	(s)	15	(s)
Greece	0	0	0	0	0	0	0	1	0	81	0	0	82	3
Guatemala	0	15	0	0	0	0	1	6	(s)	0	0	(s)	23	1
Guinea	0	(s)	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Honduras	0	0	0	0	0	0	1	4	(s)	0	0	0	5	(s)
Hong Kong	0	0	0	0	0	0	0	1	(s)	0	(s)	3	3	(s)
India	0	(s)	0	0	0	0	0	(s)	(s)	0	0	1	2	(s)
Indonesia	0	0	0	0	0	0	0	9	0	0	0	0	9	(s)
Israel	0	(s)	0	0	0	0	(s)	(s)	0	(s)	0	(s)	1	(s)
Italy	0	0	0	0	0	0	0	(s)	(s)	467	(s)	119	587	19
Jamaica	0	12	8	0	17	196	0	10	0	0	0	(s)	243	8
Japan	0	1	789	0	544	866	(s)	9	2	1,932	(s)	155	4,299	139
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic	0	67	0	0	0	0	(s)	2	1	(s)	0	5	75	2
Kuwait	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Mexico	0	214	(s)	48	0	1,275	1	70	10	48	(s)	9	1,675	54
Netherlands	0	(s)	0	0	0	0	(s)	9	(s)	1,316	0	45	1,370	44
Netherlands Antilles	0	0	0	0	0	409	0	1	0	0	0	1	411	13
New Zealand	0	0	0	0	0	0	0	3	(s)	(s)	0	1	5	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	0	0	0	0	0	0	(s)	(s)	59	(s)	(s)	59	2
Pacific Trust Terr	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	20	11	0	0	0	0	123	0	0	0	2	155	5
Peru	0	(s)	0	0	0	0	(s)	2	(s)	0	(s)	1	4	(s)
Philippines	0	0	0	0	0	0	(s)	2	(s)	0	0	2	5	(s)
Puerto Rico	389	2	0	0	0	2	(s)	20	2	0	0	14	429	14
Rep. of South Africa	0	43	0	0	0	0	0	(s)	(s)	0	0	(s)	44	1
Saudi Arabia	0	13	0	0	0	0	0	3	0	0	(s)	3	19	1
Singapore	0	0	0	0	50	0	(s)	4	(s)	(s)	(s)	(s)	54	2

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, July 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	345	(s)	(s)	(s)	374	0	(s)	720	23
Surinam	0	0	0	0	0	192	0	(s)	0	0	0	(s)	193	6
Sweden	0	0	0	0	0	0	0	(s)	(s)	18	0	(s)	19	1
Switzerland	0	0	0	0	0	0	0	1	0	0	(s)	(s)	1	(s)
Thailand	0	(s)	0	0	0	0	0	(s)	1	0	(s)	(s)	2	(s)
Trinidad and Tobago	0	(s)	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	(s)	0	58	0	(s)	58	2
United Kingdom	0	(s)	0	0	(s)	0	0	2	1	25	2	1	30	1
U.S.S.R.	0	0	0	0	0	0	0	162	0	72	0	0	235	8
Uruguay	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Venezuela	0	(s)	0	0	(s)	0	2	4	(s)	1	0	1	8	(s)
Virgin Islands	3,558	0	0	0	0	0	0	(s)	0	0	0	0	3,558	115
West Germany	0	4	0	0	0	0	(s)	3	1	29	1	(s)	37	1
Yugoslavia	0	0	0	0	0	0	0	0	0	55	0	0	55	2
Other	0	(s)	38	34	19	365	0	9	(s)	145	(s)	1	610	20
Total	**4,616**	**929**	**1,010**	**140**	**1,189**	**5,417**	**15**	**875**	**28**	**6,314**	**5**	**546**	**21,085**	**680**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products By Destination, August 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	(s)	(s)	(s)	0	(s)	1	(s)
Australia	0	2	0	0	546	0	0	5	(s)	104	(s)	3	660	21
Bahamas	0	7	24	17	72	1,201	0	2	0	0	0	(s)	1,323	43
Bahrain	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Belgium & Luxembourg	0	(s)	(s)	0	0	0	1	6	(s)	312	(s)	1	320	10
Brazil	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Cameroon	0	0	0	0	0	0	0	(s)	0	36	0	0	36	1
Canada	644	617	66	62	43	75	3	84	4	480	4	184	2,266	73
Chile	0	(s)	0	0	0	0	0	32	(s)	0	0	(s)	33	1
China, Taiwan	0	(s)	0	0	282	777	0	67	2	3	0	3	1,134	37
Colombia	0	(s)	0	0	0	0	0	16	(s)	0	0	(s)	17	1
Costa Rica	0	(s)	0	0	0	0	2	5	0	(s)	0	5	13	(s)
Denmark	0	0	0	0	0	0	0	(s)	0	214	(s)	(s)	214	7
Dominican Republic	0	45	0	0	0	0	(s)	1	0	(s)	0	(s)	47	2
Ecuador	0	0	0	0	0	0	(s)	29	(s)	0	0	(s)	30	1
Egypt	0	3	0	0	0	0	0	(s)	(s)	0	0	(s)	4	(s)
El Salvador	0	0	8	0	0	0	0	8	(s)	(s)	(s)	0	16	1
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	(s)	0	0	0	0	0	2	1	(s)	0	192	195	6
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	44	0	(s)	44	1
Greece	0	(s)	0	0	0	0	(s)	(s)	0	81	0	(s)	82	3
Guatemala	0	15	73	7	94	0	1	5	(s)	0	0	1	197	6
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	(s)	0	0	(s)	0	(s)	8	0	0	0	(s)	9	(s)
Hong Kong	0	1	0	0	0	0	1	1	(s)	0	(s)	1	4	(s)
India	0	0	0	0	0	0	0	(s)	(s)	0	0	15	15	(s)
Indonesia	0	0	0	0	0	0	0	(s)	0	105	0	4	109	4
Israel	0	0	11	0	0	0	(s)	(s)	0	(s)	0	1	12	(s)
Italy	0	0	0	0	0	0	0	25	(s)	1,066	0	(s)	1,092	35
Ivory Coast	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jamaica	0	12	8	0	0	328	(s)	(s)	(s)	0	0	1	351	11
Japan	0	15	97	0	369	1,027	106	49	2	648	0	6	2,319	75
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic	0	2	0	0	32	384	(s)	13	1	1	0	49	482	16
Kuwait	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	(s)	0	0	0	1	(s)
Mexico	0	220	2	36	0	977	3	83	10	60	(s)	6	1,395	45
Netherlands	0	0	17	0	0	0	0	9	(s)	1,286	(s)	123	1,435	46
Netherlands Antilles	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
New Zealand	0	0	0	0	0	0	0	15	(s)	(s)	0	(s)	16	1
Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0	(s)	46	0	0	46	1
Pacific Trust Terr.	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	(s)	8	0	10	0	1	3	0	0	(s)	(s)	22	1
Peru	0	0	0	0	0	0	(s)	37	(s)	0	0	(s)	37	1
Philippines	0	(s)	0	0	0	0	(s)	1	2	0	0	(s)	4	(s)
Puerto Rico	389	4	251	0	0	232	1	18	1	0	0	7	902	29
Rep. of South Africa	0	0	0	0	0	0	0	(s)	(s)	24	(s)	1	25	1
Saudi Arabia	0	7	0	0	0	0	(s)	2	0	0	0	3	12	(s)
Singapore	0	(s)	0	0	0	406	(s)	3	(s)	24	0	172	606	20

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, August 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	343	0	1	0	410	(s)	55	809	26
Surinam	0	15	0	0	0	0	0	2	0	0	0	(s)	17	1
Sweden	0	(s)	0	0	0	0	0	1	(s)	0	0	58	59	2
Switzerland	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Thailand	0	0	0	0	0	0	(s)	2	(s)	0	0	3	5	(s)
Trinidad and Tobago	0	0	0	0	0	0	(s)	0	0	0	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	3	0	193	0	0	196	6
United Arab Emirates	0	3	0	0	0	0	0	1	0	77	0	(s)	81	3
United Kingdom	2	4	0	0	0	0	0	1	(s)	0	1	2	10	(s)
U.S.S.R.	0	0	0	0	0	0	0	47	0	0	0	0	47	2
Uruguay	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Venezuela	0	(s)	0	0	0	0	(s)	1	(s)	251	0	1	254	8
Virgin Islands	3,345	0	9	0	0	0	0	1	0	0	0	6	3,361	108
West Germany	0	24	1	0	0	0	(s)	82	1	39	(s)	1	148	5
Yugoslavia	0	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)
Other	0	12	12	13	17	0	0	7	0	0	0	2	63	2
Total	**4,380**	**1,012**	**585**	**135**	**1,466**	**5,750**	**121**	**686**	**29**	**5,505**	**6**	**910**	**20,586**	**664**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	339	2	(s)	(s)	(s)	0	(s)	341	11
Australia	0	1	0	83	176	228	(s)	5	1	249	0	4	748	25
Bahamas	0	0	63	43	232	245	0	2	0	0	(s)	(s)	586	20
Bahrain	0	0	0	0	0	0	(s)	(s)	0	53	0	0	53	2
Belgium & Luxembourg	0	0	0	0	0	0	0	1	(s)	678	0	1	680	23
Brazil	0	0	0	0	0	0	0	(s)	0	16	0	1	17	1
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	254	449	15	119	336	818	5	164	8	333	5	205	2,711	90
Chile	0	0	0	0	132	0	0	1	0	(s)	(s)	1	134	4
China, Taiwan	0	0	0	0	0	833	0	15	2	1	0	1	852	28
Colombia	0	0	0	0	0	0	0	(s)	0	0	0	2	2	(s)
Costa Rica	0	(s)	0	0	0	0	2	7	(s)	0	0	2	11	(s)
Denmark	0	(s)	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Dominican Republic	0	0	0	0	0	0	1	4	(s)	0	0	1	6	(s)
Ecuador	0	0	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Egypt	0	0	0	0	0	0	0	18	0	0	(s)	1	19	1
El Salvador	0	0	0	0	0	0	(s)	2	0	0	0	0	2	(s)
Finland	0	0	0	0	0	0	0	17	(s)	0	0	0	17	1
France	0	2	0	0	0	0	0	(s)	1	145	(s)	107	255	8
French Pacific Isl	0	0	0	0	0	413	0	(s)	0	0	0	0	414	14
Ghana	0	0	0	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Greece	0	0	0	0	0	0	0	31	0	0	0	0	31	1
Guatemala	0	16	56	17	95	0	1	6	(s)	(s)	(s)	(s)	191	6
Guinea	0	0	0	0	0	0	0	1	0	0	(s)	0	1	(s)
Honduras	0	1	0	0	0	0	1	1	(s)	0	0	(s)	2	(s)
Hong Kong	0	0	0	0	0	0	(s)	1	(s)	0	(s)	(s)	1	(s)
India	0	0	0	0	0	0	0	3	(s)	0	0	1	4	(s)
Indonesia	0	0	0	0	0	0	0	1	0	12	0	0	13	(s)
Israel	0	0	0	0	0	0	(s)	(s)	(s)	0	0	(s)	1	(s)
Italy	0	(s)	0	0	(s)	0	0	1	(s)	1,322	(s)	99	1,423	47
Ivory Coast	0	0	0	0	0	0	0	16	0	0	0	0	16	1
Jamaica	0	1	7	10	35	150	(s)	(s)	(s)	0	0	1	204	7
Japan	0	1	634	703	492	442	1	8	2	2,034	0	64	4,380	146
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic	0	2	39	0	211	0	0	8	1	(s)	0	5	265	9
Kuwait	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Lebanon	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	1	0	0	71	72	2
Mexico	0	1,094	0	51	1	1,785	7	96	14	71	(s)	10	3,130	104
Netherlands	0	1	0	0	0	0	0	1	(s)	1,525	1	101	1,629	54
Netherlands Antilles	0	0	0	3	0	0	0	1	0	0	0	(s)	4	(s)
New Zealand	0	0	0	0	0	0	0	3	(s)	127	0	3	133	4
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	2	0	0	0	0	0	(s)	(s)	75	0	(s)	76	3
Pacific Trust Terr	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	(s)	49	0	0	0	(s)	83	0	0	0	0	133	4
Peru	0	85	0	0	200	0	(s)	(s)	(s)	0	(s)	1	286	10
Philippines	0	(s)	0	0	0	0	(s)	1	(s)	0	0	2	3	(s)
Puerto Rico	0	5	0	0	0	0	(s)	17	1	0	0	5	29	1
Rep. of South Africa	0	(s)	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Saudi Arabia	0	6	0	0	0	0	(s)	3	0	0	0	1	10	(s)
Singapore	0	(s)	0	0	0	0	0	(s)	(s)	0	0	1	1	(s)

See footnotes at end of table

Table 17. Exports of Crude Oil and Petroleum Products by Destination, September 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	(s)	(s)	393	(s)	34	427	14
Sweden	0	0	0	0	0	0	0	1	(s)	49	0	(s)	51	2
Switzerland	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	(s)	(s)	(s)	(s)	0	100	100	3
Trinidad and Tobago	0	(s)	0	0	0	0	1	(s)	0	0	0	0	1	(s)
Turkey	0	0	0	0	0	0	(s)	(s)	0	0	0	4	4	(s)
United Arab Emirates	0	0	0	0	0	0	0	3	0	56	0	(s)	59	2
United Kingdom	5	(s)	19	0	0	0	(s)	2	(s)	569	(s)	4	599	20
U.S.S.R.	0	0	0	0	0	0	0	77	0	0	0	(s)	78	3
Uruguay	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Venezuela	0	1	0	0	(s)	0	1	3	(s)	83	0	1	89	3
Virgin Islands	3,218	0	0	0	0	0	(s)	1	0	0	0	0	3,219	107
West Germany	0	0	0	0	0	0	(s)	8	(s)	109	(s)	14	133	4
Yugoslavia	0	0	0	0	0	0	0	0	0	91	0	0	91	3
Other	0	2	20	24	14	43	(s)	14	(s)	0	(s)	4	122	4
Total	**3,478**	**1,668**	**903**	**1,053**	**1,924**	**5,298**	**23**	**633**	**34**	**7,992**	**7**	**851**	**23,865**	**795**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	17	0	0	0	0	0	2	(s)	1	0	43	63	2
Australia	0	(s)	0	0	0	421	(s)	6	1	157	(s)	3	588	19
Bahamas	0	0	33	22	135	380	0	4	0	0	(s)	(s)	574	19
Bahrain	0	0	0	0	0	0	0	0	0	64	0	0	64	2
Belgium & Luxembourg	0	0	0	0	0	0	1	19	(s)	360	(s)	1	381	12
Brazil	0	0	0	0	0	0	0	2	0	82	0	(s)	85	3
Cameroon	0	0	0	0	0	0	0	(s)	0	36	0	0	36	1
Canada	371	130	179	765	122	952	8	133	4	235	42	71	3,011	97
Chile	0	(s)	0	0	0	0	0	32	(s)	0	0	(s)	33	1
China, Taiwan	360	0	147	0	221	812	0	36	1	112	0	3	1,691	55
Colombia	0	0	0	0	0	0	0	3	(s)	0	0	3	6	(s)
Costa Rica	0	0	0	0	0	0	0	5	0	0	0	6	11	(s)
Denmark	0	0	0	0	0	0	0	0	(s)	185	(s)	0	185	6
Dominican Republic	0	86	0	0	0	0	(s)	5	0	0	0	(s)	92	3
Ecuador	0	46	0	0	0	0	(s)	27	0	0	0	(s)	73	2
Egypt	0	(s)	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
El Salvador	0	(s)	0	0	0	0	(s)	1	0	1	0	(s)	2	(s)
Finland	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
France	0	(s)	0	0	0	0	0	2	2	500	0	1	505	16
French Pacific Isl	0	0	0	0	0	310	0	1	0	0	0	0	310	10
Ghana	0	0	0	0	0	0	0	(s)	0	46	(s)	0	47	2
Greece	0	1	0	0	0	0	0	1	0	0	0	0	2	(s)
Guatemala	0	31	74	0	86	0	(s)	25	(s)	0	(s)	(s)	217	7
Honduras	0	(s)	0	0	(s)	0	(s)	8	0	0	0	1	8	(s)
Hong Kong	0	0	0	0	0	0	0	1	0	0	(s)	(s)	1	(s)
India	0	0	0	0	0	0	0	11	0	0	0	(s)	11	(s)
Indonesia	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
Israel	0	(s)	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Italy	0	33	0	0	0	0	0	(s)	(s)	1,026	(s)	139	1,199	39
Ivory Coast	0	0	0	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Jamaica	0	17	8	0	144	182	0	2	(s)	0	0	0	353	11
Japan	0	5	170	245	354	396	3	64	3	1,635	(s)	23	2,899	94
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Korea, Republic	0	5	0	0	247	549	0	3	1	61	0	89	954	31
Kuwait	0	(s)	0	0	0	0	0	1	0	0	(s)	(s)	2	(s)
Lebanon	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Malaysia	0	(s)	0	0	0	0	0	(s)	(s)	0	(s)	(s)	1	(s)
Mexico	0	288	0	41	0	1,196	3	71	19	95	(s)	9	1,722	56
Netherlands	0	0	0	0	0	0	0	11	(s)	254	(s)	3	268	9
Netherlands Antilles	0	0	0	0	0	802	0	1	0	0	0	(s)	803	26
New Zealand	0	(s)	0	0	0	0	0	1	(s)	(s)	0	2	3	(s)
Nigeria	0	2	0	0	0	0	0	1	0	0	0	(s)	2	(s)
Norway	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Panama	0	0	9	0	19	0	1	3	0	0	0	(s)	33	1
Peru	0	0	0	0	0	0	0	32	(s)	(s)	(s)	1	33	1
Philippines	0	(s)	0	0	0	0	1	1	(s)	0	0	2	4	(s)
Puerto Rico	0	6	0	0	0	1	(s)	23	1	0	0	4	35	1
Rep. of South Africa	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Saudi Arabia	0	6	0	0	0	0	(s)	5	0	(s)	0	1	12	(s)
Singapore	0	2	0	0	0	0	0	6	(s)	0	(s)	2	10	(s)

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, October 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	7	0	818	0	1	826	27
Surinam	0	0	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Sweden	0	0	0	0	0	0	0	2	(s)	0	0	(s)	2	(s)
Switzerland	0	0	0	0	0	0	(s)	1	(s)	0	(s)	(s)	1	(s)
Thailand	0	(s)	0	0	0	0	(s)	2	(s)	0	0	(s)	4	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	1	1	(s)
Turkey	0	0	0	0	0	0	0	(s)	(s)	299	0	(s)	299	10
United Arab Emirates	0	0	0	0	0	0	(s)	2	0	58	0	(s)	60	2
United Kingdom	0	2	0	0	102	0	0	5	(s)	0	1	3	113	4
U.S.S.R.	0	0	0	0	0	0	0	51	0	0	0	0	51	2
Uruguay	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Venezuela	0	1	0	0	0	0	2	3	(s)	110	0	(s)	115	4
Virgin Islands	1,862	(s)	9	0	0	0	0	1	0	0	0	4	1,877	61
West Germany	0	1	0	0	0	0	0	3	1	27	0	11	44	1
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	29	20	13	210	0	(s)	13	(s)	0	(s)	2	287	9
Total	**2,592**	**711**	**650**	**1,086**	**1,640**	**6,000**	**19**	**641**	**35**	**6,161**	**44**	**434**	**20,016**	**646**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products By Destination, NOVEMBER 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	(s)	0	0	0	0	(s)	(s)	(s)	0	0	73	74	2
Australia	(s)	1	0	0	0	0	25	4	(s)	227	0	1	259	9
Bahamas	0	17	61	32	215	198	0	5	0	0	(s)	(s)	529	18
Belgium & Luxembourg	0	0	0	0	0	0	5	40	(s)	0	0	(s)	46	2
Brazil	0	0	0	0	0	0	(s)	(s)	0	30	0	1	31	1
Cameroon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Canada	823	455	75	874	621	99	9	173	6	381	77	115	3,708	124
Chile	0	0	0	0	0	6	1	3	(s)	0	0	(s)	10	(s)
China, Taiwan	0	0	0	0	1	0	(s)	41	1	1	0	4	47	2
Colombia	0	(s)	0	0	0	0	3	2	(s)	(s)	0	4	9	(s)
Costa Rica	0	(s)	0	0	0	0	3	9	0	0	0	7	19	1
Denmark	0	0	0	0	0	0	0	(s)	0	146	0	2	149	5
Dominican Republic	0	0	0	0	0	0	5	3	0	0	0	(s)	8	(s)
Ecuador	0	47	0	0	0	0	0	(s)	0	0	0	(s)	48	2
Egypt	0	0	0	0	0	0	0	(s)	0	132	0	10	142	5
El Salvador	0	0	0	0	0	0	0	2	(s)	0	(s)	(s)	2	(s)
Finland	0	0	0	0	0	0	0	4	0	0	0	0	4	(s)
France	0	0	0	0	0	0	0	2	1	43	0	164	210	7
French Pacific Isl	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	1	0	39	(s)	0	39	1
Greece	0	1	0	0	0	0	(s)	1	0	0	0	(s)	3	(s)
Guatemala	0	78	93	12	90	0	2	9	(s)	0	0	(s)	284	9
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	0	0	0	0	0	1	7	0	0	0	0	8	(s)
Hong Kong	0	0	0	0	0	0	(s)	3	(s)	0	0	(s)	4	(s)
India	0	0	0	0	0	0	1	2	0	0	0	0	3	(s)
Indonesia	0	0	0	0	0	0	0	1	0	0	(s)	3	4	(s)
Israel	0	(s)	0	0	0	0	0	1	0	0	0	1	2	(s)
Italy	0	77	0	0	0	0	0	1	(s)	383	0	94	555	19
Ivory Coast	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
Jamaica	0	17	0	0	0	520	0	1	(s)	0	0	3	541	18
Japan	0	14	33	0	276	400	24	23	3	1,529	(s)	41	2,344	78
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Korea, Republic	0	2	0	0	1	661	(s)	6	(s)	(s)	0	3	674	22
Kuwait	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Mexico	0	252	679	33	0	1,445	1	86	14	80	0	11	2,600	87
Netherlands	0	0	0	0	0	0	4	2	(s)	1,359	(s)	39	1,405	47
Netherlands Antilles	0	0	0	0	0	1,042	0	1	0	0	0	25	1,068	36
New Zealand	0	0	0	0	0	0	5	(s)	(s)	122	(s)	1	127	4
Nigeria	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
Norway	0	2	0	0	0	0	0	(s)	(s)	102	0	(s)	104	3
Pacific Trust Terr	0	1	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Panama	0	0	0	0	0	0	(s)	3	0	(s)	0	1	4	(s)
Peru	0	19	0	437	250	0	0	2	(s)	0	0	1	710	24
Philippines	0	(s)	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Puerto Rico	0	3	0	0	0	0	2	26	1	0	0	4	35	1
Rep. of South Africa	0	3	0	0	0	0	0	(s)	(s)	121	0	1	125	4
Saudi Arabia	0	6	0	0	0	0	0	6	0	0	1	2	15	(s)
Singapore	0	0	0	0	(s)	0	(s)	1	(s)	(s)	0	1	3	(s)

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, November 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	197	0	0	1	(s)	689	0	161	1,048	35
Surinam	0	16	0	0	0	0	0	2	0	0	0	(s)	18	1
Sweden	0	(s)	0	(s)	0	0	0	1	(s)	0	(s)	(s)	1	(s)
Switzerland	0	2	0	0	0	0	0	(s)	(s)	0	0	(s)	3	(s)
Thailand	0	0	0	0	0	0	(s)	1	(s)	0	0	(s)	2	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	2	0	328	0	(s)	331	11
United Arab Emirates	0	0	0	0	1	0	(s)	1	0	0	0	(s)	2	(s)
United Kingdom	0	(s)	19	0	0	0	0	12	1	49	2	3	85	3
U.S.S.R.	0	0	0	0	0	0	0	57	0	0	0	19	76	3
Uruguay	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Venezuela	0	0	0	0	0	0	5	2	1	154	0	4	166	6
Virgin Islands	4,084	0	0	0	1	0	0	2	0	0	0	(s)	4,087	136
West Germany	0	2	0	0	0	0	1	83	1	53	0	(s)	140	5
Yugoslavia	0	0	0	0	0	0	0	0	0	57	0	0	57	2
Other	0	22	2	0	34	0	0	21	(s)	0	(s)	49	128	4
Total	**4,907**	**1,039**	**962**	**1,388**	**1,686**	**4,371**	**98**	**663**	**32**	**6,024**	**81**	**853**	**22,105**	**737**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, December 1987
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	(s)	0	0	2	(s)	0	0	0	2	(s)
Australia	0	0	1	0	2	0	4	4	(s)	37	0	3	52	2
Bahamas	0	0	66	61	155	970	0	4	0	0	(s)	(s)	1,256	41
Bahrain	0	1	0	0	0	0	0	(s)	0	64	0	1	66	2
Belgium & Luxembourg	0	1	0	0	0	0	14	10	(s)	698	0	1	724	23
Brazil	0	(s)	0	0	0	0	18	5	(s)	13	(s)	1	37	1
Cameroon	0	0	0	0	0	0	0	0	0	35	0	0	35	1
Canada	419	538	79	1,005	355	327	8	127	122	388	19	333	3,719	120
Chile	0	0	0	0	0	0	0	11	(s)	0	0	1	12	(s)
China, Taiwan	0	7	0	0	0	692	0	39	1	3	0	106	847	27
Colombia	0	0	0	0	0	0	0	17	(s)	(s)	0	2	19	1
Costa Rica	0	(s)	0	0	0	0	(s)	11	0	0	0	5	16	1
Denmark	0	0	0	0	0	0	0	(s)	0	0	0	2	2	(s)
Dominican Republic	0	17	0	0	0	(s)	(s)	7	0	0	0	1	25	1
Ecuador	0	0	0	0	218	0	(s)	23	(s)	0	0	1	241	8
Egypt	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	(s)	(s)
El Salvador	0	0	13	0	0	(s)	0	5	(s)	0	0	0	18	1
Finland	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
France	0	3	0	0	0	0	0	2	1	317	0	8	331	11
Ghana	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Greece	0	0	0	0	0	0	0	1	(s)	151	0	0	152	5
Guatemala	0	0	80	0	0	0	1	6	(s)	0	0	(s)	87	3
Guinea	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Honduras	0	8	0	0	(s)	0	0	8	(s)	0	0	(s)	17	1
Hong Kong	0	0	0	0	0	0	0	2	0	0	(s)	(s)	3	(s)
India	0	(s)	0	0	0	0	0	11	(s)	0	0	2	13	(s)
Indonesia	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Israel	0	(s)	10	0	0	0	0	(s)	(s)	(s)	0	1	11	(s)
Italy	0	40	0	0	3	520	17	(s)	(s)	673	0	71	1,324	43
Jamaica	0	14	0	0	78	340	(s)	(s)	(s)	0	0	(s)	433	14
Japan	0	3	809	1,122	758	635	20	60	2	1,399	0	122	4,930	159
Jordan	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Korea, Republic	0	1	0	0	504	511	18	8	1	1	0	32	1,075	35
Kuwait	0	1	0	0	0	0	0	1	0	0	0	(s)	2	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Mexico	0	971	756	29	1	1,790	3	82	12	100	(s)	11	3,755	121
Netherlands	0	(s)	0	0	0	0	8	10	1	1,084	0	6	1,109	36
Netherlands Antilles	0	(s)	0	0	202	1,626	0	2	0	0	0	0	1,830	59
New Zealand	0	0	0	0	0	0	0	(s)	(s)	28	0	(s)	28	1
Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	(s)	0	22	0	(s)	22	1
Pacific Trust Terr	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	0	4	0	47	301	0	52	(s)	0	0	(s)	405	13
Peru	0	0	0	129	423	0	0	34	(s)	0	0	1	587	19
Philippines	0	(s)	0	0	0	0	1	1	(s)	0	0	115	117	4
Puerto Rico	912	11	10	0	0	(s)	(s)	14	(s)	0	(s)	9	957	31
Rep. of South Africa	0	92	0	0	0	0	0	1	(s)	0	(s)	(s)	93	3
Saudi Arabia	0	2	0	0	0	0	(s)	10	0	0	0	3	15	(s)
Singapore	0	0	0	0	0	364	4	11	(s)	(s)	(s)	(s)	379	12

See footnotes at end of table

Table 17. Exports of Crude Oil and Petroleum Products by Destination, December 1987 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	0	683	(s)	2	0	278	0	39	1,002	32
Sweden	0	0	0	59	0	0	0	1	(s)	22	(s)	1	83	3
Switzerland	0	(s)	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Thailand	0	(s)	0	0	0	0	(s)	3	0	0	0	3	6	(s)
Trinidad and Tobago	0	0	0	0	0	0	(s)	(s)	(s)	0	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	2	0	408	0	2	412	13
United Arab Emirates	0	0	0	0	0	0	0	3	(s)	58	0	1	61	2
United Kingdom	0	2	0	0	75	533	0	7	(s)	0	1	4	623	20
U.S.S.R.	0	0	0	0	0	0	0	35	0	72	0	0	108	3
Uruguay	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Venezuela	0	2	0	2	(s)	0	0	1	(s)	(s)	0	1	6	(s)
Virgin Islands	5,478	0	0	0	0	0	0	3	0	0	0	4	5,484	177
West Germany	0	0	0	0	0	0	0	3	1	76	1	5	85	3
Yugoslavia	0	0	0	0	0	0	0	0	0	56	0	0	56	2
Other	0	34	1	0	38	0	0	19	(s)	0	0	2	94	3
Total	**6,809**	**1,749**	**1,828**	**2,406**	**2,859**	**9,292**	**117**	**668**	**144**	**5,982**	**22**	**900**	**32,777**	**1,057**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, January 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,174	--	--	--	13,062	--	--	--	--	--	46,638	1,896	19,307	95,077
Tank Farms and Pipelines	--	--	1,299	--	--	--	59,273	--	--	--	--	--	90,257	9,825	33,925	194,579
Leases	--	--	53	--	--	--	1,580	--	--	--	--	--	17,640	1,196	1,262	21,731
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	514,910	0	0	514,910
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,642	21,642
Total	--	--	15,526	--	--	--	73,915	--	--	--	--	--	669,445	12,917	76,136	847,939
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	46,097	3,251	49,348	35,356	8,657	14,869	58,882	10,309	73,380	44,944	5,328	1,564	135,525	12,963	58,866	315,584
Bulk Terminal	--	--	125,531	--	--	--	73,933	--	--	--	--	--	70,578	3,189	23,562	296,793
Pipeline	--	--	27,694	--	--	--	39,876	--	--	--	--	--	43,114	2,512	4,964	118,160
Natural Gas Processing Plant	195	46	241	412	65	1,132	1,609	999	2,872	1,359	77	125	5,432	185	70	7,537
Total	--	--	202,814	--	--	--	174,300	--	--	--	--	--	254,649	18,849	87,462	738,074
Pentanes Plus																
Refinery	17	0	17	89	46	186	321	273	214	91	1	18	597	5	39	979
Bulk Terminal	--	--	60	--	--	--	934	--	--	--	--	--	1,609	0	6	2,609
Pipeline	--	--	0	--	--	--	732	--	--	--	--	--	970	78	0	1,780
Natural Gas Processing Plant	3	5	8	30	18	317	365	266	319	349	35	27	996	52	21	1,442
Total	--	--	85	--	--	--	2,352	--	--	--	--	--	4,172	135	66	6,810
Liquefied Petroleum Gases																
Refinery	895	19	914	2,033	146	610	2,789	1,360	1,736	1,494	67	26	4,683	307	570	9,263
Bulk Terminal	--	--	1,520	--	--	--	14,305	--	--	--	--	--	40,917	69	1,160	57,971
Pipeline	--	--	1,218	--	--	--	6,380	--	--	--	--	--	5,863	429	0	13,890
Natural Gas Processing Plant	192	41	233	382	47	815	1,244	692	2,550	1,007	39	98	4,386	133	49	6,045
Total	--	--	3,885	--	--	--	24,718	--	--	--	--	--	55,849	938	1,779	87,169
Ethane																
Refinery	0	0	0	1	0	0	1	80	271	0	0	0	351	0	0	352
Bulk Terminal	--	--	2	--	--	--	1,241	--	--	--	--	--	9,102	0	0	10,345
Pipeline	--	--	0	--	--	--	1,177	--	--	--	--	--	2,273	133	0	3,583
Natural Gas Processing Plant	0	0	0	15	0	186	201	108	827	73	0	12	1,020	1	0	1,222
Total	--	--	2	--	--	--	2,620	--	--	--	--	--	12,746	134	0	15,502

See footnotes at end of table

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, January 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	627	5	632	1,192	22	158	1,372	694	639	879	6	3	2,221	78	192	4,495
Bulk Terminal	--	--	1,360	--	--	--	10,958	--	--	--	--	--	24,606	69	655	37,648
Pipeline	--	--	1,128	--	--	--	3,491	--	--	--	--	--	2,409	170	0	7,198
Natural Gas Processing Plant	155	31	186	312	30	446	788	380	738	468	17	53	1,656	89	33	2,752
Total	--	--	3,306	--	--	--	16,609	--	--	--	--	--	30,892	406	880	52,093
Normal Butane																
Refinery	189	14	203	567	73	302	942	371	316	401	14	14	1,116	145	327	2,733
Bulk Terminal	--	--	157	--	--	--	1,305	--	--	--	--	--	3,704	0	435	5,601
Pipeline	--	--	90	--	--	--	1,223	--	--	--	--	--	815	83	0	2,211
Natural Gas Processing Plant	36	4	40	27	17	136	180	160	532	204	15	23	934	43	9	1,206
Total	--	--	490	--	--	--	3,650	--	--	--	--	--	6,569	271	771	11,751
Isobutane																
Refinery	79	0	79	273	51	150	474	215	510	214	47	9	995	84	51	1,683
Bulk Terminal	--	--	1	--	--	--	801	--	--	--	--	--	3,505	0	70	4,377
Pipeline	--	--	0	--	--	--	489	--	--	--	--	--	366	43	0	898
Natural Gas Processing Plant	1	6	7	28	0	47	75	44	453	262	7	10	776	0	7	865
Total	--	--	87	--	--	--	1,839	--	--	--	--	--	5,642	127	128	7,823
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	107	1	3	111	1	169	143	0	9	322	0	5	438
Total	--	--	0	--	--	--	111	--	--	--	--	--	322	0	5	438
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,574	273	3,847	2,490	115	758	3,363	637	8,637	4,901	164	47	14,386	583	4,425	26,604
Kerosene and Light Gas Oils	1,633	52	1,685	1,478	50	499	2,027	299	5,903	2,267	54	4	8,527	364	3,210	15,813
Heavy Gas Oils	3,421	274	3,695	2,347	221	1,531	4,099	648	7,020	7,821	339	227	16,055	809	8,970	33,628
Residuum	1,012	164	1,176	2,004	8	949	2,961	413	3,674	3,305	122	0	7,514	431	5,379	17,461
Total	9,640	763	10,403	8,319	394	3,737	12,450	1,997	25,234	18,294	679	278	46,482	2,187	21,984	93,506

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, January 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,160	82	5,242	5,385	755	2,046	8,186	1,401	7,847	5,649	221	291	15,409	2,438	7,246	38,521
Bulk Terminal	--	--	98	--	--	--	231	--	--	--	--	--	1,550	0	2	1,881
Pipeline	--	--	0	--	--	--	106	--	--	--	--	--	0	0	0	106
Total	--	--	5,340	--	--	--	8,523	--	--	--	--	--	16,959	2,438	7,248	40,508
Aviation Gasoline Blending Components																
Refinery	0	0	0	41	0	4	45	0	0	151	0	0	151	0	59	255
Total	--	--	0	--	--	--	45	--	--	--	--	--	151	0	59	255
Total Finished Motor Gasoline																
Refinery	12,756	572	13,328	6,382	1,927	2,941	11,250	2,117	11,583	4,980	741	169	19,590	2,409	7,844	54,421
Bulk Terminal	--	--	41,573	--	--	--	32,238	--	--	--	--	--	12,422	1,914	12,143	100,290
Pipeline	--	--	14,039	--	--	--	19,391	--	--	--	--	--	19,333	1,281	1,847	55,891
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	68,940	--	--	--	62,879	--	--	--	--	--	51,346	5,604	21,834	210,603
Finished Leaded Motor Gasoline																
Refinery	2,219	208	2,427	2,226	952	1,466	4,644	785	3,540	1,260	147	73	5,805	1,202	2,697	16,775
Bulk Terminal	--	--	13,052	--	--	--	13,338	--	--	--	--	--	4,680	926	4,862	36,858
Pipeline	--	--	3,739	--	--	--	6,124	--	--	--	--	--	6,118	673	422	17,076
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	19,218	--	--	--	24,106	--	--	--	--	--	16,604	2,801	7,981	70,710
Finished Unleaded Motor Gasoline																
Refinery	10,537	364	10,901	4,156	975	1,475	6,606	1,332	8,043	3,720	594	96	13,785	1,207	5,147	37,646
Bulk Terminal	--	--	28,521	--	--	--	18,900	--	--	--	--	--	7,742	988	7,281	63,432
Pipeline	--	--	10,300	--	--	--	13,267	--	--	--	--	--	13,215	608	1,425	38,815
Total	--	--	49,722	--	--	--	38,773	--	--	--	--	--	34,742	2,803	13,853	139,893
Finished Aviation Gasoline																
Refinery	160	0	160	61	37	15	113	92	493	174	0	0	759	40	169	1,241
Bulk Terminal	--	--	331	--	--	--	362	--	--	--	--	--	57	18	295	1,063
Pipeline	--	--	0	--	--	--	51	--	--	--	--	--	2	0	0	53
Total	--	--	491	--	--	--	526	--	--	--	--	--	818	58	464	2,357

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, January 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	250	0	250	257	52	194	503	423	1,058	260	122	132	1,995	348	913	4,009
Bulk Terminal	--	--	907	--	--	--	337	--	--	--	--	--	158	14	497	1,913
Pipeline	--	--	53	--	--	--	283	--	--	--	--	--	536	87	750	1,709
Total	--	--	1,210	--	--	--	1,123	--	--	--	--	--	2,689	449	2,160	7,631
Kerosene-Type Jet Fuel																
Refinery	2,140	10	2,150	1,275	203	427	1,905	313	3,294	2,833	37	48	6,525	370	3,472	14,422
Bulk Terminal	--	--	5,517	--	--	--	3,698	--	--	--	--	--	1,998	225	1,701	13,139
Pipeline	--	--	3,399	--	--	--	3,259	--	--	--	--	--	7,004	178	715	14,555
Total	--	--	11,066	--	--	--	8,862	--	--	--	--	--	15,527	773	5,888	42,116
Kerosene																
Refinery	226	65	291	704	70	306	1,080	56	776	352	62	0	1,246	2	156	2,775
Bulk Terminal	--	--	2,951	--	--	--	1,022	--	--	--	--	--	224	33	53	4,283
Pipeline	--	--	473	--	--	--	382	--	--	--	--	--	585	0	17	1,457
Total	--	--	3,715	--	--	--	2,484	--	--	--	--	--	2,055	35	226	8,515
Distillate Fuel Oils																
Refinery	9,001	370	9,371	4,718	1,404	2,595	8,717	1,001	8,118	3,939	1,011	159	14,228	1,871	4,811	38,998
Bulk Terminal	--	--	47,420	--	--	--	16,116	--	--	--	--	--	4,892	900	4,955	74,283
Pipeline	--	--	8,508	--	--	--	9,207	--	--	--	--	--	8,552	459	1,331	28,057
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	2	2	0	0	4	0	0	4
Total	--	--	65,299	--	--	--	34,040	--	--	--	--	--	27,676	3,230	11,097	141,342
Residual Fuel Oils																
Refinery	2,482	115	2,597	1,517	234	110	1,861	313	4,030	2,169	152	20	6,684	317	6,367	17,826
Bulk Terminal	--	--	18,880	--	--	--	987	--	--	--	--	--	5,209	0	1,828	26,904
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	197	201
Total	--	--	21,481	--	--	--	2,848	--	--	--	--	--	11,893	317	8,392	44,931
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	277	0	277	329	0	63	392	72	908	256	0	15	1,251	16	191	2,127
Total	277	0	277	329	0	63	392	72	908	256	0	15	1,251	16	191	2,127
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	6	0	0	6	111	1,013	401	0	0	1,525	4	186	1,724
Total	3	0	3	6	0	0	6	111	1,013	401	0	0	1,525	4	186	1,724

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, January 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	632	33	665	155	0	131	286	115	1,080	69	167	0	1,431	6	162	2,550
Bulk Terminal	--	--	667	--	--	--	302	--	--	--	--	--	34	0	25	1,028
Total	--	--	1,332	--	--	--	588	--	--	--	--	--	1,465	6	187	3,578
Lubricants																
Refinery	308	908	1,216	1,119	0	162	1,281	22	3,957	1,333	549	0	5,861	65	1,414	9,837
Bulk Terminal	--	--	2,258	--	--	--	1,072	--	--	--	--	--	476	4	602	4,412
Total	--	--	3,474	--	--	--	2,353	--	--	--	--	--	6,337	69	2,016	14,249
Waxes																
Refinery	0	111	111	60	0	29	89	20	235	135	14	0	404	97	93	794
Total	--	--	111	--	--	--	89	--	--	--	--	--	404	97	93	794
Petroleum Coke																
Refinery	640	0	640	280	1,738	248	2,266	0	542	1,524	114	0	2,180	101	1,674	6,861
Total	640	0	640	280	1,738	248	2,266	0	542	1,524	114	0	2,180	101	1,674	6,861
Asphalt and Road Oil																
Refinery	1,306	158	1,464	2,381	1,634	1,044	5,059	563	622	449	1,381	399	3,414	2,307	1,313	13,557
Bulk Terminal	--	--	2,618	--	--	--	2,297	--	--	--	--	--	681	11	258	5,865
Total	--	--	4,082	--	--	--	7,356	--	--	--	--	--	4,095	2,318	1,571	19,422
Miscellaneous Products																
Refinery	204	45	249	138	16	18	172	59	471	248	10	0	788	73	198	1,480
Bulk Terminal	--	--	731	--	--	--	32	--	--	--	--	--	351	1	37	1,152
Pipeline	--	--	0	--	--	--	85	--	--	--	--	--	269	0	107	461
Natural Gas Processing Plant	0	0	0	0	0	0	0	41	0	1	3	0	45	0	0	45
Total	--	--	980	--	--	--	289	--	--	--	--	--	1,453	74	342	3,138
Total Stocks, All Oils	--	--	**218,340**	--	--	--	**248,215**	--	--	--	--	--	**924,094**	**31,766**	**163,598**	**1,586,013**

1 Includes 36,288 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky."
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, February 28, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,395	--	--	--	11,589	--	--	--	--	--	45,915	2,067	19,296	94,262
Tank Farms and Pipelines	--	--	1,387	--	--	--	60,130	--	--	--	--	--	86,937	9,628	34,878	192,960
Leases	--	--	49	--	--	--	1,577	--	--	--	--	--	17,337	1,199	1,384	21,546
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	516,709	0	0	516,709
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	23,090	23,090
Total	--	--	16,831	--	--	--	73,296	--	--	--	--	--	666,898	12,894	78,648	848,567
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	42,689	3,129	45,818	36,904	9,560	15,326	61,790	9,820	79,916	45,047	5,376	1,354	141,513	14,260	61,990	325,371
Bulk Terminal	--	--	104,156	--	--	--	71,300	--	--	--	--	--	66,142	3,173	22,597	267,368
Pipeline	--	--	25,527	--	--	--	40,114	--	--	--	--	--	41,587	2,614	4,849	114,691
Natural Gas Processing Plant	168	45	213	350	65	1,135	1,550	952	2,589	1,593	81	108	5,323	209	78	7,373
Total	--	--	175,714	--	--	--	174,754	--	--	--	--	--	254,565	20,256	89,514	714,803
Pentanes Plus																
Refinery	19	0	19	92	51	112	255	238	348	101	1	22	710	4	25	1,013
Bulk Terminal	--	--	21	--	--	--	893	--	--	--	--	--	1,462	0	2	2,378
Pipeline	--	--	0	--	--	--	1,363	--	--	--	--	--	1,012	75	0	2,450
Natural Gas Processing Plant	5	4	9	25	19	292	336	269	338	374	29	16	1,026	59	19	1,449
Total	--	--	49	--	--	--	2,847	--	--	--	--	--	4,210	138	46	7,290
Liquefied Petroleum Gases																
Refinery	804	20	824	1,548	183	620	2,351	1,013	1,893	1,530	46	28	4,510	317	759	8,761
Bulk Terminal	--	--	1,369	--	--	--	13,815	--	--	--	--	--	36,818	71	625	52,698
Pipeline	--	--	1,267	--	--	--	6,635	--	--	--	--	--	5,768	422	0	14,092
Natural Gas Processing Plant	163	41	204	325	46	843	1,214	657	2,249	1,213	49	92	4,260	150	59	5,887
Total	--	--	3,664	--	--	--	24,015	--	--	--	--	--	51,356	960	1,443	81,438
Ethane																
Refinery	0	0	0	1	0	0	1	62	317	0	0	0	379	0	0	380
Bulk Terminal	--	--	2	--	--	--	1,398	--	--	--	--	--	10,294	0	0	11,694
Pipeline	--	--	0	--	--	--	1,654	--	--	--	--	--	2,220	129	0	4,003
Natural Gas Processing Plant	0	0	0	15	0	159	174	103	963	77	0	10	1,153	2	0	1,329
Total	--	--	2	--	--	--	3,227	--	--	--	--	--	14,046	131	0	17,406

See footnotes at end of table.

Table 16. Stocks of Crude Oil and Petroleum Products by ... , ...
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	484	7	491	911	28	159	1,098	382	658	927	9	4	1,980	73	278	3,920
Bulk Terminal	--	--	1,196	--	--	--	10,696	--	--	--	--	--	20,133	71	433	32,529
Pipeline	--	--	1,193	--	--	--	3,456	--	--	--	--	--	2,375	172	0	7,196
Natural Gas Processing Plant	135	31	166	264	26	486	776	359	597	604	26	51	1,637	107	41	2,727
Total	--	--	3,046	--	--	--	16,026	--	--	--	--	--	26,125	423	752	46,372
Normal Butane																
Refinery	273	13	286	335	115	315	765	375	382	253	15	16	1,041	138	396	2,626
Bulk Terminal	--	--	170	--	--	--	1,115	--	--	--	--	--	3,615	0	145	5,045
Pipeline	--	--	74	--	--	--	1,003	--	--	--	--	--	835	79	0	1,991
Natural Gas Processing Plant	27	4	31	26	20	153	199	160	392	227	16	23	818	41	11	1,100
Total	--	--	561	--	--	--	3,082	--	--	--	--	--	6,309	258	552	10,762
Isobutane																
Refinery	47	0	47	301	40	146	487	194	536	350	22	8	1,110	106	85	1,835
Bulk Terminal	--	--	1	--	--	--	606	--	--	--	--	--	2,776	0	47	3,430
Pipeline	--	--	0	--	--	--	522	--	--	--	--	--	338	42	0	902
Natural Gas Processing Plant	1	6	7	20	0	45	65	35	297	305	7	8	652	0	7	731
Total	--	--	55	--	--	--	1,680	--	--	--	--	--	4,876	148	139	6,898
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	113	1	2	116	1	149	115	0	9	274	0	26	416
Total	--	--	0	--	--	--	116	--	--	--	--	--	274	0	26	416
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,305	307	3,612	2,765	148	835	3,748	660	10,442	4,613	172	38	15,925	841	5,317	29,443
Kerosene and Light Gas Oils	2,211	76	2,287	1,457	59	518	2,034	394	7,282	2,222	54	2	9,954	406	3,376	18,057
Heavy Gas Oils	3,795	288	4,083	3,301	285	1,507	5,093	597	7,706	7,309	322	149	16,083	849	10,082	36,190
Residuum	1,028	146	1,174	1,946	4	1,005	2,955	432	3,263	3,884	126	0	7,705	548	5,610	17,992
Total	10,339	817	11,156	9,469	496	3,865	13,830	2,083	28,693	18,028	674	189	49,667	2,644	24,385	101,682

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, February 28, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,000	71	5,071	5,837	1,388	1,892	9,117	1,475	9,280	5,592	252	288	16,887	2,766	7,949	41,790
Bulk Terminal	--	--	32	--	--	--	234	--	--	--	--	--	1,392	0	2	1,660
Pipeline	--	--	19	--	--	--	49	--	--	--	--	--	0	0	0	68
Total	--	--	5,122	--	--	--	9,400	--	--	--	--	--	18,279	2,766	7,951	43,518
Aviation Gasoline Blending Components																
Refinery	0	0	0	43	0	3	46	0	0	185	0	0	185	0	57	288
Total	--	--	0	--	--	--	46	--	--	--	--	--	185	0	57	288
Total Finished Motor Gasoline																
Refinery	11,200	425	11,625	6,319	1,587	3,501	11,407	2,053	13,855	5,036	769	176	21,889	2,458	8,212	55,591
Bulk Terminal	--	--	38,337	--	--	--	30,419	--	--	--	--	--	12,368	1,903	11,674	94,701
Pipeline	--	--	13,463	--	--	--	18,964	--	--	--	--	--	20,329	1,364	2,151	56,271
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	63,425	--	--	--	60,790	--	--	--	--	--	54,587	5,725	22,037	206,564
Finished Leaded Motor Gasoline																
Refinery	2,235	139	2,374	2,298	849	1,839	4,986	735	4,504	1,459	162	65	6,925	1,145	2,617	18,047
Bulk Terminal	--	--	11,797	--	--	--	12,303	--	--	--	--	--	4,728	996	4,362	34,186
Pipeline	--	--	3,576	--	--	--	6,318	--	--	--	--	--	5,409	669	452	16,424
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	17,747	--	--	--	23,607	--	--	--	--	--	17,063	2,810	7,431	68,658
Finished Unleaded Motor Gasoline																
Refinery	8,965	286	9,251	4,021	738	1,662	6,421	1,318	9,351	3,577	607	111	14,964	1,313	5,595	37,544
Bulk Terminal	--	--	26,540	--	--	--	18,116	--	--	--	--	--	7,640	907	7,312	60,515
Pipeline	--	--	9,887	--	--	--	12,646	--	--	--	--	--	14,920	695	1,699	39,847
Total	--	--	45,678	--	--	--	37,183	--	--	--	--	--	37,524	2,915	14,606	137,906
Finished Aviation Gasoline																
Refinery	144	0	144	51	38	13	102	106	440	220	0	0	766	37	185	1,234
Bulk Terminal	--	--	330	--	--	--	315	--	--	--	--	--	55	20	281	1,001
Pipeline	--	--	21	--	--	--	115	--	--	--	--	--	27	0	0	163
Total	--	--	495	--	--	--	532	--	--	--	--	--	848	57	466	2,398

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, February 28, 1987 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	353	0	353	234	29	150	413	353	967	372	114	76	1,882	309	887	3,844
Bulk Terminal	--	--	866	--	--	--	265	--	--	--	--	--	141	17	493	1,782
Pipeline	--	--	70	--	--	--	251	--	--	--	--	--	393	145	656	1,515
Total	--	--	1,289	--	--	--	929	--	--	--	--	--	2,416	471	2,036	7,141
Kerosene-Type Jet Fuel																
Refinery	2,361	15	2,376	1,353	150	440	1,943	281	4,105	1,902	19	35	6,342	310	3,401	14,372
Bulk Terminal	--	--	4,465	--	--	--	3,388	--	--	--	--	--	1,698	243	1,895	11,689
Pipeline	--	--	4,027	--	--	--	3,899	--	--	--	--	--	6,182	195	790	15,093
Total	--	--	10,868	--	--	--	9,230	--	--	--	--	--	14,222	748	6,086	41,154
Kerosene																
Refinery	167	67	234	481	91	173	745	37	741	323	51	0	1,152	68	214	2,413
Bulk Terminal	--	--	2,434	--	--	--	1,067	--	--	--	--	--	523	35	53	4,112
Pipeline	--	--	294	--	--	--	298	--	--	--	--	--	456	0	5	1,053
Total	--	--	2,962	--	--	--	2,110	--	--	--	--	--	2,131	103	272	7,578
Distillate Fuel Oils																
Refinery	6,316	368	6,684	4,873	1,616	2,565	9,054	994	7,889	4,605	969	102	14,559	1,982	4,630	36,909
Bulk Terminal	--	--	35,708	--	--	--	15,801	--	--	--	--	--	5,922	871	5,083	63,385
Pipeline	--	--	6,362	--	--	--	8,450	--	--	--	--	--	7,159	413	1,046	23,430
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	5	0	0	6	0	0	6
Total	--	--	48,754	--	--	--	33,305	--	--	--	--	--	27,646	3,266	10,759	123,730
Residual Fuel Oils																
Refinery	2,414	89	2,503	1,465	160	134	1,759	311	3,307	2,309	171	21	6,119	301	5,675	16,357
Bulk Terminal	--	--	14,898	--	--	--	912	--	--	--	--	--	4,245	0	1,610	21,665
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	114	118
Total	--	--	17,405	--	--	--	2,671	--	--	--	--	--	10,364	301	7,399	38,140
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	262	0	262	361	0	70	431	72	881	300	0	9	1,262	19	189	2,163
Total	262	0	262	361	0	70	431	72	881	300	0	9	1,262	19	189	2,163
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	6	0	0	6	84	1,101	368	0	0	1,553	4	153	1,719
Total	3	0	3	6	0	0	6	84	1,101	368	0	0	1,553	4	153	1,719

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, February 28, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	607	33	640	162	0	141	303	104	1,153	136	132	0	1,525	7	173	2,648
Bulk Terminal	--	--	574	--	--	--	260	--	--	--	--	--	28	0	31	893
Total	--	--	1,214	--	--	--	563	--	--	--	--	--	1,553	7	204	3,541
Lubricants																
Refinery	260	825	1,085	1,102	0	150	1,252	25	3,612	1,486	568	0	5,691	81	1,457	9,566
Bulk Terminal	--	--	2,036	--	--	--	1,011	--	--	--	--	--	443	1	634	4,125
Total	--	--	3,121	--	--	--	2,263	--	--	--	--	--	6,134	82	2,091	13,691
Waxes																
Refinery	0	106	106	60	0	25	85	25	240	131	15	0	411	78	108	788
Total	--	--	106	--	--	--	85	--	--	--	--	--	411	78	108	788
Petroleum Coke																
Refinery	816	0	816	274	1,972	333	2,579	0	225	1,628	113	0	1,966	105	1,602	7,068
Total	816	0	816	274	1,972	333	2,579	0	225	1,628	113	0	1,966	105	1,602	7,068
Asphalt and Road Oil																
Refinery	1,369	237	1,606	2,940	1,780	1,120	5,840	532	592	485	1,471	399	3,479	2,685	1,713	15,323
Bulk Terminal	--	--	2,715	--	--	--	2,833	--	--	--	--	--	658	11	177	6,394
Total	--	--	4,321	--	--	--	8,673	--	--	--	--	--	4,137	2,696	1,890	21,717
Miscellaneous Products																
Refinery	255	56	311	121	18	17	156	33	445	195	11	0	684	85	190	1,426
Bulk Terminal	--	--	371	--	--	--	87	--	--	--	--	--	389	1	37	885
Pipeline	--	--	0	--	--	--	90	--	--	--	--	--	261	0	87	438
Natural Gas Processing Plant	0	0	0	0	0	0	0	26	0	1	3	0	30	0	0	30
Total	--	--	682	--	--	--	333	--	--	--	--	--	1,364	86	314	2,779
Total Stocks, All Oils	**--**	**--**	**192,545**	**--**	**--**	**--**	**248,050**	**--**	**--**	**--**	**--**	**--**	**921,463**	**33,150**	**168,162**	**1,563,370**

1 Includes 36,885 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, March 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,202	--	--	--	12,147	--	--	--	--	--	47,371	2,292	24,290	101,302
Tank Farms and Pipelines	--	--	1,316	--	--	--	57,309	--	--	--	--	--	85,760	10,033	33,703	188,121
Leases	--	--	51	--	--	--	1,505	--	--	--	--	--	17,500	1,209	1,201	21,466
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	519,987	0	0	519,987
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,562	21,562
Total	--	--	16,569	--	--	--	70,961	--	--	--	--	--	670,618	13,534	80,756	852,438
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,043	3,299	44,342	37,798	10,070	14,832	62,700	9,936	81,113	45,153	5,778	1,302	143,282	13,326	61,785	325,435
Bulk Terminal	--	--	96,308	--	--	--	71,662	--	--	--	--	--	65,120	3,112	22,966	259,168
Pipeline	--	--	26,186	--	--	--	38,173	--	--	--	--	--	39,964	2,673	4,564	111,560
Natural Gas Processing Plant	139	44	183	295	58	1,138	1,491	926	3,386	1,621	84	129	6,146	187	82	8,089
Total	--	--	167,019	--	--	--	174,026	--	--	--	--	--	254,512	19,298	89,397	704,252
Pentanes Plus																
Refinery	17	0	17	130	48	135	313	264	207	117	1	21	610	6	42	988
Bulk Terminal	--	--	18	--	--	--	773	--	--	--	--	--	1,628	0	0	2,419
Pipeline	--	--	0	--	--	--	521	--	--	--	--	--	1,174	77	0	1,772
Natural Gas Processing Plant	3	3	6	22	16	272	310	295	432	465	32	24	1,248	68	21	1,653
Total	--	--	41	--	--	--	1,917	-	--	--	--	--	4,660	151	63	6,832
Liquefied Petroleum Gases																
Refinery	689	16	705	1,374	145	459	1,978	1,016	1,964	1,827	45	29	4,881	278	988	8,830
Bulk Terminal	--	--	1,875	--	--	--	14,454	--	--	--	--	--	34,992	47	525	51,893
Pipeline	--	--	1,233	--	--	--	7,142	--	--	--	--	--	5,809	429	0	14,613
Natural Gas Processing Plant	136	41	177	273	42	865	1,180	606	2,953	1,151	49	105	4,864	119	61	6,401
Total	--	--	3,990	--	--	--	24,754	--	--	--	--	--	50,546	873	1,574	81,737
Ethane																
Refinery	0	0	0	1	0	0	1	38	465	0	0	0	503	0	0	504
Bulk Terminal	--	--	1	--	--	--	1,449	--	--	--	--	--	11,341	0	0	12,791
Pipeline	--	--	0	--	--	--	1,806	--	--	--	--	--	2,297	131	0	4,234
Natural Gas Processing Plant	0	0	0	15	0	154	169	97	1,156	72	0	13	1,338	2	0	1,509
Total	--	--	1	--	--	--	3,425	--	--	--	--	--	15,479	133	0	19,038

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, March 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	318	9	327	833	22	129	984	363	667	1,095	4	4	2,133	43	299	3,786
Bulk Terminal	--	--	1,698	--	--	--	11,474	--	--	--	--	--	17,074	47	397	30,690
Pipeline	--	--	1,153	--	--	--	3,738	--	--	--	--	--	2,343	170	0	7,404
Natural Gas Processing Plant	105	29	134	219	23	485	727	305	865	519	22	68	1,779	85	44	2,769
Total	--	--	3,312	--	--	--	16,923	--	--	--	--	--	23,329	345	740	44,649
Normal Butane																
Refinery	275	7	282	234	54	210	498	389	432	420	19	16	1,276	138	542	2,736
Bulk Terminal	--	--	174	--	--	--	1,021	--	--	--	--	--	4,118	0	127	5,440
Pipeline	--	--	80	--	--	--	1,026	--	--	--	--	--	669	84	0	1,859
Natural Gas Processing Plant	29	4	33	20	19	177	216	159	540	239	17	19	974	32	11	1,266
Total	--	--	569	--	--	--	2,761	--	--	--	--	--	7,037	254	680	11,301
Isobutane																
Refinery	96	0	96	306	69	120	495	226	400	312	22	9	969	97	147	1,804
Bulk Terminal	--	--	2	--	--	--	510	--	--	--	--	--	2,459	0	1	2,972
Pipeline	--	--	0	--	--	--	572	--	--	--	--	--	500	44	0	1,116
Natural Gas Processing Plant	2	8	10	19	0	49	68	45	392	321	10	5	773	0	6	857
Total	--	--	108	--	--	--	1,645	--	--	--	--	--	4,701	141	154	6,749
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	126	3	3	132	1	181	164	0	10	356	0	15	503
Total	--	--	0	--	--	--	132	--	--	--	--	--	356	0	15	503
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,248	451	3,699	2,842	154	1,373	4,369	918	9,299	4,772	193	52	15,234	782	4,910	28,994
Kerosene and Light Gas Oils	1,710	79	1,789	2,122	51	490	2,663	614	7,904	2,436	53	3	11,010	261	3,251	18,974
Heavy Gas Oils	3,641	284	3,925	3,784	213	1,420	5,417	675	9,719	7,146	829	111	18,480	760	10,672	39,254
Residuum	978	143	1,121	1,933	6	1,031	2,970	365	5,528	4,178	130	0	10,201	305	4,843	19,440
Total	9,577	957	10,534	10,681	424	4,314	15,419	2,572	32,450	18,532	1,205	166	54,925	2,108	23,676	106,662

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, March 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,376	59	4,435	5,672	1,364	1,846	8,882	1,457	9,094	6,013	178	269	17,011	2,631	7,438	40,397
Bulk Terminal	--	--	13	--	--	--	242	--	--	--	--	--	2,295	0	2	2,552
Pipeline	--	--	0	--	--	--	131	--	--	--	--	--	0	0	0	131
Total	--	--	4,448	--	--	--	9,255	--	--	--	--	--	19,306	2,631	7,440	43,080
Aviation Gasoline Blending Components																
Refinery	0	0	0	21	0	8	29	0	0	138	0	0	138	0	34	201
Total	--	--	0	--	--	--	29	--	--	--	--	--	138	0	34	201
Total Finished Motor Gasoline																
Refinery	11,994	499	12,493	5,873	1,720	2,819	10,412	1,792	13,208	5,984	1,039	153	22,176	2,495	8,451	56,027
Bulk Terminal	--	--	37,562	--	--	--	30,238	--	--	--	--	--	12,352	1,924	11,668	93,744
Pipeline	--	--	14,507	--	--	--	18,643	--	--	--	--	--	18,724	1,380	1,945	55,199
Total	--	--	64,562	--	--	--	59,293	--	--	--	--	--	53,252	5,799	22,064	204,970
Finished Leaded Motor Gasoline																
Refinery	2,553	160	2,713	1,820	787	1,507	4,114	636	3,424	1,780	151	68	6,059	1,349	2,611	16,846
Bulk Terminal	--	--	11,126	--	--	--	11,190	--	--	--	--	--	4,205	1,019	4,665	32,205
Pipeline	--	--	3,599	--	--	--	6,511	--	--	--	--	--	4,853	632	428	16,023
Total	--	--	17,438	--	--	--	21,815	--	--	--	--	--	15,117	3,000	7,704	65,074
Finished Unleaded Motor Gasoline																
Refinery	9,441	339	9,780	4,053	933	1,312	6,298	1,156	9,784	4,204	888	85	16,117	1,146	5,840	39,181
Bulk Terminal	--	--	26,436	--	--	--	19,048	--	--	--	--	--	8,147	905	7,003	61,539
Pipeline	--	--	10,908	--	--	--	12,132	--	--	--	--	--	13,871	748	1,517	39,176
Total	--	--	47,124	--	--	--	37,478	--	--	--	--	--	38,135	2,799	14,360	139,896
Finished Aviation Gasoline																
Refinery	117	0	117	67	22	6	95	96	421	177	0	0	694	37	152	1,095
Bulk Terminal	--	--	299	--	--	--	346	--	--	--	--	--	43	21	291	1,000
Pipeline	--	--	0	--	--	--	76	--	--	--	--	--	44	0	0	120
Total	--	--	416	--	--	--	517	--	--	--	--	--	781	58	443	2,215

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, March 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	325	0	325	209	46	145	400	310	939	456	80	91	1,876	288	953	3,842
Bulk Terminal	--	--	774	--	--	--	236	--	--	--	--	--	124	10	494	1,638
Pipeline	--	--	92	--	--	--	283	--	--	--	--	--	409	90	677	1,551
Total	--	--	1,191	--	--	--	919	--	--	--	--	--	2,409	388	2,124	7,031
Kerosene-Type Jet Fuel																
Refinery	2,261	8	2,269	1,527	259	566	2,352	364	3,795	2,309	9	51	6,528	298	3,301	14,748
Bulk Terminal	--	--	4,288	--	--	--	4,029	--	--	--	--	--	2,355	241	2,165	13,078
Pipeline	--	--	3,538	--	--	--	3,377	--	--	--	--	--	5,430	147	726	13,218
Total	--	--	10,095	--	--	--	9,758	--	--	--	--	--	14,313	686	6,192	41,044
Kerosene																
Refinery	186	104	290	439	101	296	836	33	608	272	61	0	974	65	229	2,394
Bulk Terminal	--	--	2,129	--	--	--	959	--	--	--	--	--	265	30	54	3,437
Pipeline	--	--	107	--	--	--	216	--	--	--	--	--	364	0	5	692
Total	--	--	2,526	--	--	--	2,011	--	--	--	--	--	1,603	95	288	6,523
Distillate Fuel Oils																
Refinery	5,084	313	5,397	4,308	1,632	2,181	8,121	812	6,676	3,132	691	92	11,403	1,710	4,571	31,202
Bulk Terminal	--	--	29,401	--	--	--	14,490	--	--	--	--	--	4,800	822	4,754	54,267
Pipeline	--	--	6,705	--	--	--	7,738	--	--	--	--	--	7,744	550	1,121	23,858
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	4	0	0	5	0	0	5
Total	--	--	41,503	--	--	--	30,349	--	--	--	--	--	23,952	3,082	10,446	109,332
Residual Fuel Oils																
Refinery	2,543	93	2,636	1,617	211	146	1,974	313	3,430	2,056	170	17	5,986	355	6,353	17,304
Bulk Terminal	--	--	14,044	--	--	--	1,091	--	--	--	--	--	4,652	0	2,144	21,931
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	64	68
Total	--	--	16,684	--	--	--	3,065	--	--	--	--	--	10,638	355	8,561	39,303
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	231	0	231	381	0	67	448	47	933	281	0	6	1,267	23	181	2,150
Total	231	0	231	381	0	67	448	47	933	281	0	6	1,267	23	181	2,150
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	6	0	0	6	81	853	289	0	0	1,223	4	148	1,384
Total	3	0	3	6	0	0	6	81	853	289	0	0	1,223	4	148	1,384

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, March 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	598	30	628	196	0	140	336	93	1,168	110	128	0	1,499	9	162	2,634
Bulk Terminal	--	--	628	--	--	--	277	--	--	--	--	--	18	0	27	950
Total	--	--	1,256	--	--	--	613	--	--	--	--	--	1,517	9	189	3,584
Lubricants																
Refinery	224	787	1,011	1,068	0	151	1,219	14	3,472	1,137	442	0	5,065	79	1,397	8,771
Bulk Terminal	--	--	2,121	--	--	--	981	--	--	--	--	--	467	2	611	4,182
Total	--	--	3,132	--	--	--	2,200	--	--	--	--	--	5,532	81	2,008	12,953
Waxes																
Refinery	0	102	102	79	0	24	103	23	240	137	16	0	416	86	102	809
Total	--	--	102	--	--	--	103	--	--	--	--	--	416	86	102	809
Petroleum Coke																
Refinery	746	0	746	348	2,242	306	2,896	11	371	1,368	125	0	1,875	2	1,658	7,177
Total	746	0	746	348	2,242	306	2,896	11	371	1,368	125	0	1,875	2	1,658	7,177
Asphalt and Road Oil																
Refinery	1,761	286	2,047	3,532	1,829	1,208	6,569	609	650	460	1,578	397	3,694	2,775	1,707	16,792
Bulk Terminal	--	--	2,622	--	--	--	3,456	--	--	--	--	--	751	14	193	7,036
Total	--	--	4,669	--	--	--	10,025	--	--	--	--	--	4,445	2,789	1,900	23,828
Miscellaneous Products																
Refinery	311	45	356	144	24	12	180	28	453	194	10	0	685	77	227	1,525
Bulk Terminal	--	--	534	--	--	--	90	--	--	--	--	--	378	1	38	1,041
Pipeline	--	--	0	--	--	--	46	--	--	--	--	--	266	0	26	338
Natural Gas Processing Plant	0	0	0	0	0	1	1	25	0	1	3	0	29	0	0	30
Total	--	--	890	--	--	--	317	--	--	--	--	--	1,358	78	291	2,934
Total Stocks, All Oils	--	--	**183,588**	--	--	--	**244,987**	--	--	--	--	--	**925,130**	**32,832**	**170,153**	**1,556,690**

1 Includes 37,213 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, April 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,886	--	--	--	12,169	--	--	--	--	--	48,840	2,302	24,830	103,027
Tank Farms and Pipelines	--	--	1,309	--	--	--	54,205	--	--	--	--	--	85,959	9,739	30,664	181,876
Leases	--	--	51	--	--	--	1,508	--	--	--	--	--	17,629	1,182	1,437	21,807
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	521,983	0	0	521,983
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	22,247	22,247
Total	--	--	16,246	--	--	--	67,882	--	--	--	--	--	674,411	13,223	79,178	850,940
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,202	3,267	46,469	39,610	10,110	14,640	64,360	9,657	73,585	41,618	5,764	1,135	131,759	13,410	64,038	320,036
Bulk Terminal	--	--	91,014	--	--	--	71,480	--	--	--	--	--	63,036	2,868	21,055	249,453
Pipeline	--	--	25,530	--	--	--	36,099	--	--	--	--	--	41,100	2,623	5,183	110,535
Natural Gas Processing Plant	103	42	145	277	65	1,039	1,381	926	3,674	1,686	89	108	6,483	191	83	8,283
Total	--	--	163,158	--	--	--	173,320	--	--	--	--	--	242,378	19,092	90,359	688,307
Pentanes Plus																
Refinery	16	0	16	78	48	125	251	259	240	129	1	7	636	5	29	937
Bulk Terminal	--	--	5	--	--	--	877	--	--	--	--	--	1,864	0	0	2,746
Pipeline	--	--	0	--	--	--	786	--	--	--	--	--	1,090	78	0	1,954
Natural Gas Processing Plant	1	5	6	30	15	216	261	305	441	529	34	22	1,331	74	20	1,692
Total	--	--	27	--	--	--	2,175	--	--	--	--	--	4,921	157	49	7,329
Liquefied Petroleum Gases																
Refinery	752	10	762	1,531	181	423	2,135	1,013	1,654	2,394	36	27	5,124	317	1,062	9,400
Bulk Terminal	--	--	1,630	--	--	--	15,940	--	--	--	--	--	36,970	34	453	55,027
Pipeline	--	--	1,350	--	--	--	6,450	--	--	--	--	--	6,151	428	0	14,379
Natural Gas Processing Plant	102	37	139	247	50	822	1,119	607	3,232	1,155	53	86	5,133	116	63	6,570
Total	--	--	3,881	--	--	--	25,644	--	--	--	--	--	53,378	895	1,578	85,376
Ethane																
Refinery	0	0	0	1	0	0	1	39	342	0	0	0	381	0	0	382
Bulk Terminal	--	--	2	--	--	--	1,919	--	--	--	--	--	12,720	0	0	14,641
Pipeline	--	--	0	--	--	--	1,285	--	--	--	--	--	2,249	130	0	3,664
Natural Gas Processing Plant	0	0	0	15	1	121	137	84	1,121	78	0	13	1,296	2	0	1,435
Total	--	--	2	--	--	--	3,342	--	--	--	--	--	16,646	132	0	20,122

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, April 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	375	2	377	1,040	32	83	1,155	402	507	1,615	6	3	2,533	58	323	4,446
Bulk Terminal	--	--	1,320	--	--	--	12,125	--	--	--	--	--	16,523	33	289	30,290
Pipeline	--	--	1,243	--	--	--	3,832	--	--	--	--	--	2,567	168	0	7,810
Natural Gas Processing Plant	72	30	102	195	26	493	714	325	910	379	22	56	1,692	81	48	2,637
Total	--	--	3,042	--	--	--	17,826	--	--	--	--	--	23,315	340	660	45,183
Normal Butane																
Refinery	308	8	316	216	75	222	513	368	360	592	8	17	1,345	181	614	2,969
Bulk Terminal	--	--	306	--	--	--	1,349	--	--	--	--	--	4,776	1	164	6,596
Pipeline	--	--	90	--	--	--	1,015	--	--	--	--	--	815	84	0	2,004
Natural Gas Processing Plant	28	4	32	18	23	168	209	154	829	242	21	11	1,257	33	9	1,540
Total	--	--	744	--	--	--	3,086	--	--	--	--	--	8,193	299	787	13,109
Isobutane																
Refinery	69	0	69	274	74	118	466	204	445	187	22	7	865	78	125	1,603
Bulk Terminal	--	--	2	--	--	--	547	--	--	--	--	--	2,951	0	0	3,500
Pipeline	--	--	17	--	--	--	318	--	--	--	--	--	520	46	0	901
Natural Gas Processing Plant	2	3	5	19	0	40	59	44	372	456	10	6	888	0	6	958
Total	--	--	93	--	--	--	1,390	--	--	--	--	--	5,224	124	131	6,962
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	107	3	3	113	1	149	145	0	9	304	0	17	434
Total	--	--	0	--	--	--	113	--	--	--	--	--	304	0	17	434
Unfinished Oils																
Refinery																
Naphthas and Lighter	2,803	579	3,382	3,182	139	1,203	4,524	852	8,884	5,180	206	22	15,144	944	5,133	29,127
Kerosene and Light Gas Oils	2,757	79	2,836	3,065	70	493	3,628	403	6,440	2,224	58	1	9,126	337	3,330	19,257
Heavy Gas Oils	5,296	234	5,530	4,024	397	1,258	5,679	789	8,616	5,812	816	96	16,129	851	11,229	39,418
Residuum	1,267	124	1,391	2,229	9	1,062	3,300	429	4,038	2,476	104	0	7,047	288	4,650	16,676
Total	12,123	1,016	13,139	12,500	615	4,016	17,131	2,473	27,978	15,692	1,184	119	47,446	2,420	24,342	104,478

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, April 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,347	57	4,404	5,873	1,264	1,880	9,017	1,272	8,090	4,999	209	216	14,786	2,511	8,115	38,833
Bulk Terminal	--	--	119	--	--	--	327	--	--	--	--	--	1,464	0	2	1,912
Pipeline	--	--	0	--	--	--	16	--	--	--	--	--	0	0	0	16
Total	--	--	4,523	--	--	--	9,360	--	--	--	--	--	16,250	2,511	8,117	40,761
Aviation Gasoline Blending Components																
Refinery	0	0	0	19	0	3	22	0	0	169	0	0	169	0	40	231
Total	--	--	0	--	--	--	22	--	--	--	--	--	169	0	40	231
Total Finished Motor Gasoline																
Refinery	12,172	395	12,567	5,532	1,644	2,714	9,890	1,911	12,687	5,224	1,022	143	20,987	2,331	8,637	54,412
Bulk Terminal	--	--	36,695	--	--	--	29,742	--	--	--	--	--	10,762	1,814	11,572	90,585
Pipeline	--	--	15,154	--	--	--	17,315	--	--	--	--	--	20,047	1,302	2,174	55,992
Total	--	--	64,416	--	--	--	56,947	--	--	--	--	--	51,796	5,447	22,383	200,989
Finished Leaded Motor Gasoline																
Refinery	2,450	153	2,603	1,714	697	1,045	3,456	729	2,959	1,309	156	49	5,202	1,223	2,509	14,993
Bulk Terminal	--	--	10,377	--	--	--	10,463	--	--	--	--	--	4,022	929	4,037	29,828
Pipeline	--	--	2,889	--	--	--	5,887	--	--	--	--	--	4,688	564	560	14,588
Total	--	--	15,869	--	--	--	19,806	--	--	--	--	--	13,912	2,716	7,106	59,409
Finished Unleaded Motor Gasoline																
Refinery	9,722	242	9,964	3,818	947	1,669	6,434	1,182	9,728	3,915	866	94	15,785	1,108	6,128	39,419
Bulk Terminal	--	--	26,318	--	--	--	19,279	--	--	--	--	--	6,740	885	7,535	60,757
Pipeline	--	--	12,265	--	--	--	11,428	--	--	--	--	--	15,359	738	1,614	41,404
Total	--	--	48,547	--	--	--	37,141	--	--	--	--	--	37,884	2,731	15,277	141,580
Finished Aviation Gasoline																
Refinery	94	0	94	48	11	12	71	83	299	112	0	0	494	26	170	855
Bulk Terminal	--	--	334	--	--	--	300	--	--	--	--	--	67	18	254	973
Pipeline	--	--	16	--	--	--	89	--	--	--	--	--	18	0	0	123
Total	--	--	444	--	--	--	460	--	--	--	--	--	579	44	424	1,951

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, April 30, 1987 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	381	0	381	320	18	115	453	256	520	502	111	84	1,473	298	885	3,490
Bulk Terminal	--	--	734	--	--	--	375	--	--	--	--	--	387	13	473	1,982
Pipeline	--	--	104	--	--	--	228	--	--	--	--	--	453	116	810	1,711
Total	--	--	1,219	--	--	--	1,056	--	--	--	--	--	2,313	427	2,168	7,183
Kerosene-Type Jet Fuel																
Refinery	2,007	5	2,012	1,514	328	482	2,324	341	3,486	2,249	13	47	6,136	405	3,936	14,813
Bulk Terminal	--	--	4,472	--	--	--	3,867	--	--	--	--	--	1,567	291	1,881	12,078
Pipeline	--	--	3,498	--	--	--	2,960	--	--	--	--	--	5,730	165	733	13,086
Total	--	--	9,982	--	--	--	9,151	--	--	--	--	--	13,433	861	6,550	39,977
Kerosene																
Refinery	368	99	467	484	84	341	909	41	635	236	54	0	966	31	335	2,708
Bulk Terminal	--	--	2,105	--	--	--	896	--	--	--	--	--	492	28	59	3,580
Pipeline	--	--	104	--	--	--	206	--	--	--	--	--	248	0	5	563
Total	--	--	2,676	--	--	--	2,011	--	--	--	--	--	1,706	59	399	6,851
Distillate Fuel Oils																
Refinery	4,940	357	5,297	4,171	1,584	2,502	8,257	864	6,782	3,152	699	85	11,582	1,582	4,576	31,294
Bulk Terminal	--	--	25,534	--	--	--	12,819	--	--	--	--	--	3,942	629	3,917	46,841
Pipeline	--	--	5,300	--	--	--	7,986	--	--	--	--	--	7,090	534	1,291	22,201
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	2
Total	--	--	36,131	--	--	--	29,062	--	--	--	--	--	22,616	2,745	9,784	100,338
Residual Fuel Oils																
Refinery	2,022	68	2,090	1,672	248	107	2,027	266	2,724	2,147	130	10	5,277	400	5,769	15,563
Bulk Terminal	--	--	13,501	--	--	--	1,058	--	--	--	--	--	4,004	0	1,616	20,179
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	144	148
Total	--	--	15,595	--	--	--	3,085	--	--	--	--	--	9,281	400	7,529	35,890
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	351	0	351	275	0	36	311	41	1,060	215	0	16	1,332	36	131	2,161
Total	351	0	351	275	0	36	311	41	1,060	215	0	16	1,332	36	131	2,161
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	6	0	0	6	69	1,009	385	0	0	1,463	4	210	1,686
Total	3	0	3	6	0	0	6	69	1,009	385	0	0	1,463	4	210	1,686

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, April 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	590	28	618	197	0	140	337	75	1,202	106	167	0	1,550	7	167	2,679
Bulk Terminal	--	--	537	--	--	--	334	--	--	--	--	--	17	0	30	918
Total	--	--	1,155	--	--	--	671	--	--	--	--	--	1,567	7	197	3,597
Lubricants																
Refinery	214	772	986	1,035	0	177	1,212	21	3,360	1,006	477	0	4,864	68	1,407	8,537
Bulk Terminal	--	--	1,893	--	--	--	1,033	--	--	--	--	--	444	4	544	3,918
Total	--	--	2,879	--	--	--	2,245	--	--	--	--	--	5,308	72	1,951	12,455
Waxes																
Refinery	0	92	92	91	0	22	113	20	246	126	15	0	407	108	109	829
Total	--	--	92	--	--	--	113	--	--	--	--	--	407	108	109	829
Petroleum Coke																
Refinery	445	0	445	281	2,263	334	2,878	8	334	1,892	158	0	2,392	2	2,024	7,741
Total	445	0	445	281	2,263	334	2,878	8	334	1,892	158	0	2,392	2	2,024	7,741
Asphalt and Road Oil																
Refinery	2,305	321	2,626	3,722	1,803	1,194	6,719	602	650	552	1,477	372	3,653	2,778	1,793	17,569
Bulk Terminal	--	--	2,800	--	--	--	3,817	--	--	--	--	--	725	36	217	7,595
Total	--	--	5,426	--	--	--	10,536	--	--	--	--	--	4,378	2,814	2,010	25,164
Miscellaneous Products																
Refinery	72	47	119	154	16	14	184	41	480	186	11	0	718	81	284	1,386
Bulk Terminal	--	--	655	--	--	--	95	--	--	--	--	--	331	1	37	1,119
Pipeline	--	--	0	--	--	--	63	--	--	--	--	--	273	0	26	362
Natural Gas Processing Plant	0	0	0	0	0	1	1	14	0	1	2	0	17	1	0	19
Total	--	--	774	--	--	--	343	--	--	--	--	--	1,339	83	347	2,886
Total Stocks, All Oils	--	--	**179,404**	--	--	--	**241,202**	--	--	--	--	--	**916,789**	**32,315**	**169,537**	**1,539,247**

1 Includes 37,512 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, May 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,647	--	--	--	12,343	--	--	--	--	--	46,648	1,998	24,137	100,773
Tank Farms and Pipelines	--	--	1,510	--	--	--	53,914	--	--	--	--	--	83,350	9,636	29,930	178,340
Leases	--	--	52	--	--	--	1,511	--	--	--	--	--	17,528	1,186	1,417	21,694
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	525,129	0	0	525,129
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	23,896	23,896
Total	--	--	17,209	--	--	--	67,768	--	--	--	--	--	672,655	12,820	79,380	849,832
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,261	3,339	44,600	36,893	8,863	14,062	59,818	10,073	73,014	43,778	5,306	1,051	133,222	12,530	64,817	314,987
Bulk Terminal	--	--	90,824	--	--	--	73,539	--	--	--	--	--	66,352	2,859	23,773	257,347
Pipeline	--	--	26,523	--	--	--	35,896	--	--	--	--	--	40,751	2,442	5,652	111,264
Natural Gas Processing Plant	76	56	132	320	80	1,138	1,538	990	3,295	1,806	107	139	6,337	201	108	8,316
Total	--	--	162,079	--	--	--	170,791	--	--	--	--	--	246,662	18,032	94,350	691,914
Pentanes Plus																
Refinery	15	0	15	105	48	112	265	379	193	140	1	25	738	6	31	1,055
Bulk Terminal	--	--	5	--	--	--	1,016	--	--	--	--	--	2,070	0	0	3,091
Pipeline	--	--	0	--	--	--	831	--	--	--	--	--	1,103	76	0	2,010
Natural Gas Processing Plant	1	6	7	28	17	239	284	287	394	439	41	36	1,197	70	19	1,577
Total	--	--	27	--	--	--	2,396	--	--	--	--	--	5,108	152	50	7,733
Liquefied Petroleum Gases																
Refinery	746	12	758	1,810	223	399	2,432	1,367	1,536	3,254	40	30	6,227	413	995	10,825
Bulk Terminal	--	--	2,070	--	--	--	18,669	--	--	--	--	--	40,482	40	653	61,914
Pipeline	--	--	1,584	--	--	--	6,714	--	--	--	--	--	5,984	428	0	14,710
Natural Gas Processing Plant	75	50	125	292	63	898	1,253	686	2,899	1,366	64	103	5,118	130	89	6,715
Total	--	--	4,537	--	--	--	29,068	--	--	--	--	--	57,811	1,011	1,737	94,164
Ethane																
Refinery	0	0	0	1	0	0	1	78	232	0	0	0	310	0	0	311
Bulk Terminal	--	--	1	--	--	--	2,518	--	--	--	--	--	14,061	0	0	16,580
Pipeline	--	--	0	--	--	--	1,391	--	--	--	--	--	2,363	131	0	3,885
Natural Gas Processing Plant	0	0	0	15	0	142	157	104	936	120	0	0	1,160	1	0	1,318
Total	--	--	1	--	--	--	4,067	--	--	--	--	--	17,894	132	0	22,094

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, May 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	431	4	435	1,231	40	116	1,387	622	501	2,115	8	5	3,251	91	305	5,469
Bulk Terminal	--	--	1,478	--	--	--	13,996	--	--	--	--	--	18,345	40	305	34,164
Pipeline	--	--	1,502	--	--	--	3,724	--	--	--	--	--	2,245	169	0	7,640
Natural Gas Processing Plant	54	36	90	237	30	477	744	375	944	433	30	69	1,851	85	70	2,840
Total	--	--	3,505	--	--	--	19,851	--	--	--	--	--	25,692	385	680	50,113
Normal Butane																
Refinery	280	8	288	327	121	193	641	511	356	841	5	18	1,731	259	560	3,479
Bulk Terminal	--	--	590	--	--	--	1,503	--	--	--	--	--	4,183	0	307	6,583
Pipeline	--	--	82	--	--	--	1,171	--	--	--	--	--	780	83	0	2,116
Natural Gas Processing Plant	20	7	27	20	33	234	287	166	666	296	23	27	1,178	44	12	1,548
Total	--	--	987	--	--	--	3,602	--	--	--	--	--	7,872	386	879	13,726
Isobutane																
Refinery	35	0	35	251	62	90	403	156	447	298	27	7	935	63	130	1,566
Bulk Terminal	--	--	1	--	--	--	652	--	--	--	--	--	3,893	0	41	4,587
Pipeline	--	--	0	--	--	--	428	--	--	--	--	--	596	45	0	1,069
Natural Gas Processing Plant	1	7	8	20	0	45	65	41	353	517	11	7	929	0	7	1,009
Total	--	--	44	--	--	--	1,548	--	--	--	--	--	6,353	108	178	8,231
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	112	3	2	117	1	141	154	0	3	299	0	104	520
Total	--	--	0	--	--	--	117	--	--	--	--	--	299	0	104	520
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,668	452	4,120	2,709	170	1,094	3,973	692	8,478	4,865	188	46	14,269	819	4,876	28,057
Kerosene and Light Gas Oils	3,264	244	3,508	2,544	100	451	3,095	249	6,290	2,319	43	0	8,901	236	3,418	19,158
Heavy Gas Oils	4,958	235	5,193	3,497	769	1,224	5,490	947	8,107	5,544	666	103	15,367	729	10,005	36,784
Residuum	1,047	137	1,184	2,097	9	1,047	3,153	624	4,574	2,880	87	0	8,165	286	5,211	17,999
Total	12,937	1,068	14,005	10,847	1,048	3,816	15,711	2,512	27,449	15,608	984	149	46,702	2,070	23,510	101,998

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, May 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,721	62	4,783	5,256	693	1,457	7,406	1,113	8,048	5,756	197	170	15,284	2,090	8,058	37,621
Bulk Terminal	--	--	106	--	--	--	272	--	--	--	--	--	953	0	1	1,332
Pipeline	--	--	0	--	--	--	44	--	--	--	--	--	0	0	0	44
Total	--	--	4,889	--	--	--	7,722	--	--	--	--	--	16,237	2,090	8,059	38,997
Aviation Gasoline Blending Components																
Refinery	0	0	0	42	0	13	55	0	0	168	0	0	168	0	49	272
Total	--	--	0	--	--	--	55	--	--	--	--	--	168	0	49	272
Total Finished Motor Gasoline																
Refinery	9,128	361	9,489	5,819	1,240	2,581	9,640	1,818	11,463	5,592	745	132	19,750	2,399	9,516	50,794
Bulk Terminal	--	--	35,851	--	--	--	28,376	--	--	--	--	--	10,601	1,692	12,335	88,855
Pipeline	--	--	15,231	--	--	--	17,783	--	--	--	--	--	19,777	1,256	2,214	56,261
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	60,571	--	--	--	55,799	--	--	--	--	--	50,129	5,347	24,065	195,911
Finished Leaded Motor Gasoline																
Refinery	1,393	106	1,499	1,758	522	1,156	3,436	654	3,588	1,506	179	43	5,970	1,286	2,797	14,988
Bulk Terminal	--	--	9,395	--	--	--	9,681	--	--	--	--	--	3,974	862	4,288	28,200
Pipeline	--	--	2,979	--	--	--	5,748	--	--	--	--	--	4,736	569	330	14,362
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	13,873	--	--	--	18,865	--	--	--	--	--	14,681	2,717	7,415	57,551
Finished Unleaded Motor Gasoline																
Refinery	7,735	255	7,990	4,061	718	1,425	6,204	1,164	7,875	4,086	566	89	13,780	1,113	6,719	35,806
Bulk Terminal	--	--	26,456	--	--	--	18,695	--	--	--	--	--	6,627	830	8,047	60,655
Pipeline	--	--	12,252	--	--	--	12,035	--	--	--	--	--	15,041	687	1,884	41,899
Total	--	--	46,698	--	--	--	36,934	--	--	--	--	--	35,448	2,630	16,650	138,360
Finished Aviation Gasoline																
Refinery	74	0	74	60	4	14	78	50	244	204	0	0	498	42	202	894
Bulk Terminal	--	--	270	--	--	--	249	--	--	--	--	--	46	15	243	823
Pipeline	--	--	0	--	--	--	67	--	--	--	--	--	19	0	0	86
Total	--	--	344	--	--	--	394	--	--	--	--	--	563	57	445	1,803

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, May 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	590	0	590	392	2	112	506	390	766	498	135	106	1,895	317	1,054	4,362
Bulk Terminal	--	--	845	--	--	--	374	--	--	--	--	--	347	3	490	2,059
Pipeline	--	--	136	--	--	--	225	--	--	--	--	--	473	79	744	1,657
Total	--	--	1,571	--	--	--	1,105	--	--	--	--	--	2,715	399	2,288	8,078
Kerosene-Type Jet Fuel																
Refinery	1,541	1	1,542	1,150	261	366	1,777	359	3,201	2,035	11	50	5,656	342	3,875	13,192
Bulk Terminal	--	--	4,475	--	--	--	4,052	--	--	--	--	--	1,511	302	2,012	12,352
Pipeline	--	--	3,868	--	--	--	3,129	--	--	--	--	--	5,715	132	889	13,733
Total	--	--	9,885	--	--	--	8,958	--	--	--	--	--	12,882	776	6,776	39,277
Kerosene																
Refinery	206	89	295	457	89	341	887	86	769	242	67	0	1,164	55	296	2,697
Bulk Terminal	--	--	2,088	--	--	--	901	--	--	--	--	--	330	26	55	3,400
Pipeline	--	--	112	--	--	--	189	--	--	--	--	--	218	0	1	520
Total	--	--	2,495	--	--	--	1,977	--	--	--	--	--	1,712	81	352	6,617
Distillate Fuel Oils																
Refinery	4,427	405	4,832	3,854	1,539	2,601	7,994	901	7,525	3,248	637	87	12,398	1,534	4,625	31,383
Bulk Terminal	--	--	24,145	--	--	--	13,774	--	--	--	--	--	4,383	667	5,252	48,221
Pipeline	--	--	5,588	--	--	--	6,882	--	--	--	--	--	7,195	471	1,545	21,681
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	34,565	--	--	--	28,650	--	--	--	--	--	23,977	2,672	11,422	101,286
Residual Fuel Oils																
Refinery	2,538	65	2,603	1,560	231	129	1,920	282	3,565	2,816	185	11	6,859	331	6,139	17,852
Bulk Terminal	--	--	15,336	--	--	--	917	--	--	--	--	--	4,248	0	1,783	22,284
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	231	235
Total	--	--	17,943	--	--	--	2,837	--	--	--	--	--	11,107	331	8,153	40,371
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	393	0	393	225	0	55	280	54	934	230	18	13	1,249	12	162	2,096
Total	393	0	393	225	0	55	280	54	934	230	18	13	1,249	12	162	2,096
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	6	0	0	6	57	1,237	370	0	0	1,664	1	268	1,944
Total	5	0	5	6	0	0	6	57	1,237	370	0	0	1,664	1	268	1,944

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, May 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	639	28	667	156	0	169	325	71	1,034	79	191	0	1,375	7	166	2,540
Bulk Terminal	--	--	525	--	--	--	267	--	--	--	--	--	31	0	24	847
Total	--	--	1,192	--	--	--	592	--	--	--	--	--	1,406	7	190	3,387
Lubricants																
Refinery	227	819	1,046	980	0	183	1,163	20	3,086	793	492	0	4,391	77	1,574	8,251
Bulk Terminal	--	--	1,767	--	--	--	1,046	--	--	--	--	--	447	2	609	3,871
Total	--	--	2,813	--	--	--	2,209	--	--	--	--	--	4,838	79	2,183	12,122
Waxes																
Refinery	0	95	95	99	0	24	123	24	264	97	16	0	401	74	104	797
Total	--	--	95	--	--	--	123	--	--	--	--	--	401	74	104	797
Petroleum Coke																
Refinery	636	0	636	328	2,047	388	2,763	10	435	1,781	170	0	2,396	7	1,614	7,416
Total	636	0	636	328	2,047	388	2,763	10	435	1,781	170	0	2,396	7	1,614	7,416
Asphalt and Road Oil																
Refinery	2,231	283	2,514	3,530	1,423	1,285	6,238	553	728	474	1,403	275	3,433	2,671	2,184	17,040
Bulk Terminal	--	--	2,827	--	--	--	3,534	--	--	--	--	--	579	112	269	7,321
Total	--	--	5,341	--	--	--	9,772	--	--	--	--	--	4,012	2,783	2,453	24,361
Miscellaneous Products																
Refinery	207	51	258	105	12	15	132	26	396	239	14	0	675	82	291	1,438
Bulk Terminal	--	--	514	--	--	--	92	--	--	--	--	--	324	0	47	977
Pipeline	--	--	0	--	--	--	32	--	--	--	--	--	267	0	28	327
Natural Gas Processing Plant	0	0	0	0	0	1	1	17	0	1	2	0	20	1	0	22
Total	--	--	772	--	--	--	257	--	--	--	--	--	1,286	83	366	2,764
Total Stocks, All Oils	**--**	**--**	**179,288**	**--**	**--**	**--**	**238,559**	**--**	**--**	**--**	**--**	**--**	**919,317**	**30,852**	**173,730**	**1,541,746**

1 Includes 38,192 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, June 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,910	--	--	--	12,696	--	--	--	--	--	47,783	1,923	24,443	101,755
Tank Farms and Pipelines	--	--	1,336	--	--	--	51,848	--	--	--	--	--	88,919	8,657	29,452	180,212
Leases	--	--	50	--	--	--	1,472	--	--	--	--	--	17,233	1,223	1,301	21,279
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	527,187	0	0	527,187
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	24,352	24,352
Total	--	--	16,296	--	--	--	66,016	--	--	--	--	--	681,122	11,803	79,548	854,785
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	42,422	3,181	45,603	35,199	7,804	13,687	56,690	9,753	77,338	45,527	5,201	926	138,745	10,964	61,941	313,943
Bulk Terminal	--	--	93,579	--	--	--	71,606	--	--	--	--	--	68,421	2,487	24,101	260,194
Pipeline	--	--	26,205	--	--	--	33,379	--	--	--	--	--	40,813	2,341	5,478	108,216
Natural Gas Processing Plant	108	55	163	408	56	1,332	1,796	1,029	5,387	1,894	110	109	8,529	226	108	10,822
Total	--	--	165,550	--	--	--	163,471	--	--	--	--	--	256,508	16,018	91,628	693,175
Pentanes Plus																
Refinery	18	0	18	153	47	249	449	417	262	107	2	22	810	5	16	1,298
Bulk Terminal	--	--	9	--	--	--	1,036	--	--	--	--	--	2,305	0	0	3,350
Pipeline	--	--	0	--	--	--	620	--	--	--	--	--	1,262	77	0	1,959
Natural Gas Processing Plant	4	19	23	32	22	258	312	348	602	498	47	27	1,522	82	18	1,957
Total	--	--	50	--	--	--	2,417	--	--	--	--	--	5,899	164	34	8,564
Liquefied Petroleum Gases																
Refinery	851	15	866	2,153	216	389	2,758	1,761	1,902	3,519	33	22	7,237	399	953	12,213
Bulk Terminal	--	--	1,442	--	--	--	19,482	--	--	--	--	--	41,738	38	1,008	63,708
Pipeline	--	--	1,710	--	--	--	6,733	--	--	--	--	--	5,786	424	0	14,653
Natural Gas Processing Plant	104	36	140	376	34	1,073	1,483	661	4,782	1,395	60	82	6,980	143	90	8,836
Total	--	--	4,158	--	--	--	30,456	--	--	--	--	--	61,741	1,004	2,051	99,410
Ethane																
Refinery	0	0	0	1	0	0	1	32	351	0	0	0	383	0	0	384
Bulk Terminal	--	--	2	--	--	--	1,972	--	--	--	--	--	14,754	0	0	16,728
Pipeline	--	--	0	--	--	--	1,227	--	--	--	--	--	2,158	126	0	3,511
Natural Gas Processing Plant	0	0	0	15	0	124	139	119	1,410	99	0	13	1,641	2	0	1,782
Total	--	--	2	--	--	--	3,339	--	--	--	--	--	18,936	128	0	22,405

See footnotes at end of table.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	612	8	620	1,462	29	105	1,596	970	712	2,161	5	4	3,852	93	233	6,394
Bulk Terminal	--	--	1,196	--	--	--	15,043	--	--	--	--	--	19,263	38	346	35,886
Pipeline	--	--	1,566	--	--	--	3,955	--	--	--	--	--	2,482	169	0	8,172
Natural Gas Processing Plant	74	27	101	314	18	585	917	340	1,330	439	31	54	2,194	92	74	3,378
Total	--	--	3,483	--	--	--	21,511	--	--	--	--	--	27,791	392	653	53,830
Normal Butane																
Refinery	204	7	211	464	112	176	752	546	433	1,115	5	12	2,111	227	595	3,896
Bulk Terminal	--	--	241	--	--	--	1,833	--	--	--	--	--	5,370	0	589	8,033
Pipeline	--	--	144	--	--	--	963	--	--	--	--	--	717	84	0	1,908
Natural Gas Processing Plant	27	5	32	24	16	314	354	162	1,390	314	22	11	1,899	48	10	2,343
Total	--	--	628	--	--	--	3,902	--	--	--	--	--	10,097	359	1,194	16,180
Isobutane																
Refinery	35	0	35	226	75	108	409	213	406	243	23	6	891	79	125	1,539
Bulk Terminal	--	--	3	--	--	--	634	--	--	--	--	--	2,351	0	73	3,061
Pipeline	--	--	0	--	--	--	588	--	--	--	--	--	429	45	0	1,062
Natural Gas Processing Plant	3	4	7	23	0	50	73	40	652	543	7	4	1,246	1	6	1,333
Total	--	--	45	--	--	--	1,704	--	--	--	--	--	4,917	125	204	6,995
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	67	2	1	70	1	140	150	0	2	293	0	22	385
Total	--	--	0	--	--	--	70	--	--	--	--	--	293	0	22	385
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,187	332	3,519	2,346	130	912	3,388	737	8,955	4,683	175	25	14,575	798	4,953	27,233
Kerosene and Light Gas Oils	2,656	261	2,917	2,110	92	488	2,690	271	6,072	2,529	44	1	8,917	278	3,811	18,613
Heavy Gas Oils	5,416	231	5,647	3,409	417	1,011	4,837	752	9,051	5,969	625	112	16,509	787	9,827	37,607
Residuum	934	124	1,058	2,094	10	1,033	3,137	599	5,290	3,721	101	0	9,711	246	4,787	18,939
Total	12,193	948	13,141	9,959	649	3,444	14,052	2,359	29,368	16,902	945	138	49,712	2,109	23,378	102,392

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, June 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,685	75	4,760	4,770	585	1,759	7,114	1,044	8,542	5,056	182	159	14,983	1,557	8,199	36,613
Bulk Terminal	--	--	124	--	--	--	218	--	--	--	--	--	882	0	2	1,226
Pipeline	--	--	0	--	--	--	13	--	--	--	--	--	0	0	0	13
Total	--	--	4,884	--	--	--	7,345	--	--	--	--	--	15,865	1,557	8,201	37,852
Aviation Gasoline Blending Components																
Refinery	0	0	0	44	0	13	57	0	0	128	0	0	128	0	24	209
Total	--	--	0	--	--	--	57	--	--	--	--	--	128	0	24	209
Total Finished Motor Gasoline																
Refinery	9,624	422	10,046	5,404	939	2,415	8,758	1,595	12,437	5,719	723	152	20,626	1,964	9,212	50,606
Bulk Terminal	--	--	36,721	--	--	--	26,582	--	--	--	--	--	10,550	1,502	13,268	88,623
Pipeline	--	--	15,031	--	--	--	15,343	--	--	--	--	--	19,845	1,095	2,025	53,339
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	61,798	--	--	--	50,683	--	--	--	--	--	51,022	4,561	24,505	192,569
Finished Leaded Motor Gasoline																
Refinery	1,594	137	1,731	1,612	408	1,112	3,132	612	3,167	1,494	199	71	5,543	987	2,760	14,153
Bulk Terminal	--	--	9,562	--	--	--	9,427	--	--	--	--	--	4,107	768	4,500	28,364
Pipeline	--	--	2,921	--	--	--	5,013	--	--	--	--	--	4,485	464	245	13,128
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	14,214	--	--	--	17,572	--	--	--	--	--	14,136	2,219	7,505	55,646
Finished Unleaded Motor Gasoline																
Refinery	8,030	285	8,315	3,792	531	1,303	5,626	983	9,270	4,225	524	81	15,083	977	6,452	36,453
Bulk Terminal	--	--	27,159	--	--	--	17,155	--	--	--	--	--	6,443	734	8,768	60,259
Pipeline	--	--	12,110	--	--	--	10,330	--	--	--	--	--	15,360	631	1,780	40,211
Total	--	--	47,584	--	--	--	33,111	--	--	--	--	--	36,886	2,342	17,000	136,923
Finished Aviation Gasoline																
Refinery	83	0	83	129	21	11	161	84	340	142	0	0	566	39	200	1,049
Bulk Terminal	--	--	306	--	--	--	258	--	--	--	--	--	49	15	228	856
Pipeline	--	--	0	--	--	--	59	--	--	--	--	--	14	0	0	73
Total	--	--	389	--	--	--	478	--	--	--	--	--	629	54	428	1,978

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, June 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	432	0	432	312	6	94	412	338	636	469	109	93	1,645	260	996	3,745
Bulk Terminal	--	--	809	--	--	--	291	--	--	--	--	--	379	20	415	1,914
Pipeline	--	--	155	--	--	--	201	--	--	--	--	--	413	143	691	1,603
Total	--	--	1,396	--	--	--	904	--	--	--	--	--	2,437	423	2,102	7,262
Kerosene-Type Jet Fuel																
Refinery	1,911	0	1,911	1,281	363	342	1,986	331	2,897	2,615	54	38	5,935	331	2,895	13,058
Bulk Terminal	--	--	4,380	--	--	--	3,608	--	--	--	--	--	1,833	210	1,370	11,401
Pipeline	--	--	3,941	--	--	--	3,142	--	--	--	--	--	5,994	197	944	14,218
Total	--	--	10,232	--	--	--	8,736	--	--	--	--	--	13,762	738	5,209	38,677
Kerosene																
Refinery	206	72	278	433	51	292	776	76	707	264	62	0	1,109	40	258	2,461
Bulk Terminal	--	--	1,832	--	--	--	917	--	--	--	--	--	261	26	53	3,089
Pipeline	--	--	120	--	--	--	211	--	--	--	--	--	203	0	5	539
Total	--	--	2,230	--	--	--	1,904	--	--	--	--	--	1,573	66	316	6,089
Distillate Fuel Oils																
Refinery	5,901	346	6,247	3,833	1,783	2,769	8,385	848	8,175	3,591	791	83	13,488	1,468	4,409	33,997
Bulk Terminal	--	--	25,549	--	--	--	13,401	--	--	--	--	--	4,530	625	5,065	49,170
Pipeline	--	--	5,244	--	--	--	6,999	--	--	--	--	--	7,020	405	1,554	21,222
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	2
Total	--	--	37,040	--	--	--	28,785	--	--	--	--	--	25,040	2,498	11,028	104,391
Residual Fuel Oils																
Refinery	2,353	66	2,419	1,516	306	125	1,947	239	3,800	2,902	149	8	7,098	367	5,508	17,339
Bulk Terminal	--	--	16,804	--	--	--	798	--	--	--	--	--	4,476	0	1,773	23,851
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	162	166
Total	--	--	19,227	--	--	--	2,745	--	--	--	--	--	11,574	367	7,443	41,356
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	349	0	349	309	0	48	357	44	993	313	12	7	1,369	36	151	2,262
Total	349	0	349	309	0	48	357	44	993	313	12	7	1,369	36	151	2,262
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	6	0	0	6	68	1,272	334	0	0	1,674	1	214	1,900
Total	5	0	5	6	0	0	6	68	1,272	334	0	0	1,674	1	214	1,900

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, June 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	608	25	633	134	0	135	269	85	1,161	49	186	0	1,481	7	120	2,510
Bulk Terminal	--	--	445	--	--	--	280	--	--	--	--	--	25	0	19	769
Total	--	--	1,078	--	--	--	549	--	--	--	--	--	1,506	7	139	3,279
Lubricants																
Refinery	262	890	1,152	952	0	176	1,128	26	2,972	772	430	0	4,200	92	1,195	7,767
Bulk Terminal	--	--	1,796	--	--	--	1,076	--	--	--	--	--	445	2	589	3,908
Total	--	--	2,948	--	--	--	2,204	--	--	--	--	--	4,645	94	1,784	11,675
Waxes																
Refinery	0	76	76	92	0	23	115	25	255	89	15	0	384	72	81	728
Total	--	--	76	--	--	--	115	--	--	--	--	--	384	72	81	728
Petroleum Coke																
Refinery	540	0	540	315	1,623	339	2,277	5	197	1,559	169	0	1,930	3	1,786	6,536
Total	540	0	540	315	1,623	339	2,277	5	197	1,559	169	0	1,930	3	1,786	6,536
Asphalt and Road Oil																
Refinery	2,236	198	2,434	3,181	1,201	1,049	5,431	379	823	594	1,331	202	3,329	2,164	2,051	15,409
Bulk Terminal	--	--	2,898	--	--	--	3,502	--	--	--	--	--	649	49	236	7,334
Total	--	--	5,332	--	--	--	8,933	--	--	--	--	--	3,978	2,213	2,287	22,743
Miscellaneous Products																
Refinery	165	48	213	156	12	14	182	28	459	253	8	0	748	50	273	1,466
Bulk Terminal	--	--	464	--	--	--	157	--	--	--	--	--	299	0	75	995
Pipeline	--	--	0	--	--	--	58	--	--	--	--	--	276	0	97	431
Natural Gas Processing Plant	0	0	0	0	0	1	1	20	0	1	3	0	24	1	0	26
Total	--	--	677	--	--	--	398	--	--	--	--	--	1,347	51	445	2,918
Total Stocks, All Oils	**--**	**--**	**181,846**	**--**	**--**	**--**	**229,487**	**--**	**--**	**--**	**--**	**--**	**937,630**	**27,821**	**171,176**	**1,547,960**

1 Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,370	--	--	--	11,941	--	--	--	--	--	49,559	1,781	24,806	103,457
Tank Farms and Pipelines	--	--	1,084	--	--	--	53,365	--	--	--	--	--	87,637	8,501	27,185	177,772
Leases	--	--	48	--	--	--	1,439	--	--	--	--	--	17,416	1,151	1,325	21,379
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	530,012	0	0	530,012
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,142	21,142
Total	--	--	16,502	--	--	--	66,745	--	--	--	--	--	684,624	11,433	74,458	853,762
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	46,488	2,988	49,476	35,170	7,563	13,239	55,972	9,696	78,389	46,250	5,166	976	140,477	9,643	60,472	316,040
Bulk Terminal	--	--	101,330	--	--	--	70,706	--	--	--	--	--	72,449	2,489	23,205	270,179
Pipeline	--	--	26,983	--	--	--	34,591	--	--	--	--	--	39,347	2,351	5,462	108,734
Natural Gas Processing Plant	126	40	166	481	52	1,333	1,866	1,020	4,263	1,900	103	134	7,420	169	140	9,761
Total	--	--	177,955	--	--	--	163,135	--	--	--	--	--	259,693	14,652	89,279	704,714
Pentanes Plus																
Refinery	17	0	17	184	47	167	398	407	302	150	1	26	886	4	27	1,332
Bulk Terminal	--	--	15	--	--	--	1,527	--	--	--	--	--	2,435	0	0	3,977
Pipeline	--	--	0	--	--	--	566	--	--	--	--	--	1,086	79	0	1,731
Natural Gas Processing Plant	3	6	9	24	25	263	312	345	442	536	40	45	1,408	65	21	1,815
Total	--	--	41	--	--	--	2,803	--	--	--	--	--	5,815	148	48	8,855
Liquefied Petroleum Gases																
Refinery	1,130	13	1,143	2,259	236	394	2,889	2,075	2,232	3,689	28	24	8,048	345	911	13,336
Bulk Terminal	--	--	1,788	--	--	--	20,373	--	--	--	--	--	44,640	37	1,477	68,315
Pipeline	--	--	1,695	--	--	--	6,582	--	--	--	--	--	5,642	423	0	14,342
Natural Gas Processing Plant	123	34	157	457	27	1,069	1,553	653	3,816	1,363	60	89	5,981	103	119	7,913
Total	--	--	4,783	--	--	--	31,397	--	--	--	--	--	64,311	908	2,507	103,906
Ethane																
Refinery	0	0	0	1	0	0	1	61	348	0	0	0	409	0	0	410
Bulk Terminal	--	--	3	--	--	--	1,906	--	--	--	--	--	15,028	0	0	16,937
Pipeline	--	--	0	--	--	--	1,376	--	--	--	--	--	1,912	122	0	3,410
Natural Gas Processing Plant	0	0	0	15	1	113	129	137	1,083	81	0	27	1,328	0	0	1,457
Total	--	--	3	--	--	--	3,412	--	--	--	--	--	18,677	122	0	22,214

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, July 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	811	7	818	1,514	17	113	1,644	1,213	888	1,869	5	5	3,980	98	184	6,724
Bulk Terminal	--	--	1,390	--	--	--	15,246	--	--	--	--	--	20,812	36	431	37,915
Pipeline	--	--	1,594	--	--	--	3,751	--	--	--	--	--	2,253	167	0	7,765
Natural Gas Processing Plant	95	28	123	380	16	589	985	309	1,023	418	27	41	1,818	72	101	3,099
Total	--	--	3,925	--	--	--	21,626	--	--	--	--	--	28,863	373	716	55,503
Normal Butane																
Refinery	263	6	269	531	154	162	847	615	618	1,508	4	13	2,758	175	617	4,666
Bulk Terminal	--	--	393	--	--	--	2,314	--	--	--	--	--	6,781	1	938	10,427
Pipeline	--	--	87	--	--	--	929	--	--	--	--	--	802	87	0	1,905
Natural Gas Processing Plant	26	2	28	37	10	299	346	170	1,213	323	23	16	1,745	30	13	2,162
Total	--	--	777	--	--	--	4,436	--	--	--	--	--	12,086	293	1,568	19,160
Isobutane																
Refinery	56	0	56	213	65	119	397	186	378	312	19	6	901	72	110	1,536
Bulk Terminal	--	--	2	--	--	--	907	--	--	--	--	--	2,019	0	108	3,036
Pipeline	--	--	14	--	--	--	526	--	--	--	--	--	675	47	0	1,262
Natural Gas Processing Plant	2	4	6	25	0	68	93	37	497	541	10	5	1,090	1	5	1,195
Total	--	--	78	--	--	--	1,923	--	--	--	--	--	4,685	120	223	7,029
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	69	1	3	73	1	125	118	0	7	251	0	20	344
Total	--	--	0	--	--	--	73	--	--	--	--	--	251	0	20	344
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,603	226	3,829	2,123	146	1,166	3,435	566	7,894	4,009	169	35	12,673	855	5,014	25,806
Kerosene and Light Gas Oils	2,782	137	2,919	1,732	77	449	2,258	292	6,913	2,453	50	2	9,710	289	3,060	18,236
Heavy Gas Oils	5,675	252	5,927	3,590	335	1,286	5,211	638	8,702	6,704	523	161	16,728	585	9,736	38,187
Residuum	933	108	1,041	2,044	4	1,018	3,066	393	4,850	3,288	158	0	8,689	362	4,634	17,792
Total	12,993	723	13,716	9,489	562	3,919	13,970	1,889	28,359	16,454	900	198	47,800	2,091	22,444	100,021

See footnotes at end of table.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,296	94	5,390	4,651	470	1,682	6,803	1,145	8,239	5,295	174	182	15,035	1,261	7,669	36,158
Bulk Terminal	--	--	126	--	--	--	239	--	--	--	--	--	816	0	114	1,295
Pipeline	--	--	0	--	--	--	22	--	--	--	--	--	0	0	0	22
Total	--	--	5,516	--	--	--	7,064	--	--	--	--	--	15,851	1,261	7,783	37,475
Aviation Gasoline Blending Components																
Refinery	0	0	0	68	0	7	75	0	0	144	0	0	144	0	32	251
Total	--	--	0	--	--	--	75	--	--	--	--	--	144	0	32	251
Total Finished Motor Gasoline																
Refinery	11,133	481	11,614	5,023	1,394	2,301	8,718	1,665	11,441	4,933	744	162	18,945	1,600	9,484	50,361
Bulk Terminal	--	--	37,917	--	--	--	24,247	--	--	--	--	--	10,080	1,414	11,791	85,449
Pipeline	--	--	14,410	--	--	--	16,639	--	--	--	--	--	18,525	1,085	2,409	53,068
Total	--	--	63,941	--	--	--	49,604	--	--	--	--	--	47,550	4,099	23,684	188,878
Finished Leaded Motor Gasoline																
Refinery	1,579	178	1,757	1,449	540	953	2,942	582	3,107	1,253	197	61	5,200	788	2,989	13,676
Bulk Terminal	--	--	9,966	--	--	--	8,661	--	--	--	--	--	3,774	688	4,137	27,226
Pipeline	--	--	3,168	--	--	--	5,284	--	--	--	--	--	4,373	551	442	13,818
Total	--	--	14,891	--	--	--	16,887	--	--	--	--	--	13,347	2,027	7,568	54,720
Finished Unleaded Motor Gasoline																
Refinery	9,554	303	9,857	3,574	854	1,348	5,776	1,083	8,334	3,680	547	101	13,745	812	6,495	36,685
Bulk Terminal	--	--	27,951	--	--	--	15,586	--	--	--	--	--	6,306	726	7,654	58,223
Pipeline	--	--	11,242	--	--	--	11,355	--	--	--	--	--	14,152	534	1,967	39,250
Total	--	--	49,050	--	--	--	32,717	--	--	--	--	--	34,203	2,072	16,116	134,158
Finished Aviation Gasoline																
Refinery	116	0	116	76	22	14	112	81	186	209	0	0	476	37	169	910
Bulk Terminal	--	--	370	--	--	--	279	--	--	--	--	--	69	11	208	937
Pipeline	--	--	0	--	--	--	119	--	--	--	--	--	2	0	0	121
Total	--	--	486	--	--	--	510	--	--	--	--	--	547	48	377	1,968

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, July 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	449	0	449	317	24	128	469	307	903	432	90	87	1,819	263	847	3,847
Bulk Terminal	--	--	845	--	--	--	375	--	--	--	--	--	363	3	381	1,967
Pipeline	--	--	110	--	--	--	127	--	--	--	--	--	422	116	664	1,439
Total	--	--	1,404	--	--	--	971	--	--	--	--	--	2,604	382	1,892	7,253
Kerosene-Type Jet Fuel																
Refinery	1,824	0	1,824	1,344	297	367	2,008	366	3,855	2,574	57	38	6,890	339	2,899	13,960
Bulk Terminal	--	--	4,658	--	--	--	3,460	--	--	--	--	--	1,698	221	1,685	11,722
Pipeline	--	--	4,042	--	--	--	3,231	--	--	--	--	--	5,601	215	708	13,797
Total	--	--	10,524	--	--	--	8,699	--	--	--	--	--	14,189	775	5,292	39,479
Kerosene																
Refinery	241	70	311	401	64	161	626	83	904	307	58	0	1,352	50	218	2,557
Bulk Terminal	--	--	1,957	--	--	--	922	--	--	--	--	--	494	32	49	3,454
Pipeline	--	--	89	--	--	--	173	--	--	--	--	--	234	0	5	501
Total	--	--	2,357	--	--	--	1,721	--	--	--	--	--	2,080	82	272	6,512
Distillate Fuel Oils																
Refinery	6,866	380	7,246	4,599	1,707	2,507	8,813	907	8,649	4,328	951	77	14,912	1,392	4,201	36,564
Bulk Terminal	--	--	30,945	--	--	--	13,852	--	--	--	--	--	5,117	710	4,365	54,989
Pipeline	--	--	6,633	--	--	--	7,111	--	--	--	--	--	7,534	433	1,333	23,044
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	5
Total	--	--	44,824	--	--	--	29,776	--	--	--	--	--	27,568	2,535	9,899	114,602
Residual Fuel Oils																
Refinery	2,631	67	2,698	1,642	287	100	2,029	174	4,355	3,470	177	9	8,185	342	5,995	19,249
Bulk Terminal	--	--	17,120	--	--	--	849	--	--	--	--	--	5,215	0	2,142	25,326
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	115	119
Total	--	--	19,822	--	--	--	2,878	--	--	--	--	--	13,400	342	8,252	44,694
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	323	0	323	350	0	72	422	27	1,063	287	18	12	1,407	31	160	2,343
Total	323	0	323	350	0	72	422	27	1,063	287	18	12	1,407	31	160	2,343
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	6	0	3	9	93	1,419	152	0	0	1,664	2	196	1,876
Total	5	0	5	6	0	3	9	93	1,419	152	0	0	1,664	2	196	1,876

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, July 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	600	29	629	184	0	131	315	58	1,252	130	216	0	1,656	10	93	2,703
Bulk Terminal	--	--	506	--	--	--	243	--	--	--	--	--	18	0	24	791
Total	--	--	1,135	--	--	--	558	--	--	--	--	--	1,674	10	117	3,494
Lubricants																
Refinery	271	888	1,159	940	0	172	1,112	26	3,175	824	368	0	4,393	97	1,139	7,900
Bulk Terminal	--	--	1,762	--	--	--	1,004	--	--	--	--	--	459	3	577	3,805
Total	--	--	2,921	--	--	--	2,116	--	--	--	--	--	4,852	100	1,716	11,705
Waxes																
Refinery	0	78	78	73	0	18	91	21	205	95	19	0	340	105	115	729
Total	--	--	78	--	--	--	91	--	--	--	--	--	340	105	115	729
Petroleum Coke																
Refinery	564	0	564	286	1,244	320	1,850	10	335	1,638	169	0	2,152	3	1,825	6,394
Total	564	0	564	286	1,244	320	1,850	10	335	1,638	169	0	2,152	3	1,825	6,394
Asphalt and Road Oil																
Refinery	1,839	113	1,952	3,055	1,204	758	5,017	328	937	713	1,186	154	3,318	1,648	1,796	13,731
Bulk Terminal	--	--	2,913	--	--	--	3,192	--	--	--	--	--	703	58	286	7,152
Total	--	--	4,865	--	--	--	8,209	--	--	--	--	--	4,021	1,706	2,082	20,883
Miscellaneous Products																
Refinery	190	52	242	154	4	15	173	33	453	308	10	0	804	23	232	1,474
Bulk Terminal	--	--	408	--	--	--	144	--	--	--	--	--	342	0	106	1,000
Pipeline	--	--	0	--	--	--	21	--	--	--	--	--	301	0	228	550
Natural Gas Processing Plant	0	0	0	0	0	1	1	22	0	1	3	0	26	1	0	28
Total	--	--	650	--	--	--	339	--	--	--	--	--	1,473	24	566	3,052
Total Stocks, All Oils	--	--	**194,457**	--	--	--	**229,880**	--	--	--	--	--	**944,317**	**26,085**	**163,737**	**1,558,476**

1 Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,980	--	--	--	12,108	--	--	--	--	--	52,675	1,630	23,001	105,394
Tank Farms and Pipelines	--	--	1,154	--	--	--	53,213	--	--	--	--	--	93,042	8,710	29,615	185,734
Leases	--	--	46	--	--	--	1,392	--	--	--	--	--	17,398	1,151	1,513	21,500
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	531,978	0	0	531,978
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	19,840	19,840
Total	--	--	17,180	--	--	--	66,713	--	--	--	--	--	695,093	11,491	73,969	864,446
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	45,611	3,000	48,611	37,203	6,608	13,520	57,331	9,867	78,677	49,704	5,162	1,081	144,491	9,326	59,958	319,717
Bulk Terminal	--	--	108,515	--	--	--	74,625	--	--	--	--	--	76,370	2,639	24,548	286,697
Pipeline	--	--	26,262	--	--	--	35,750	--	--	--	--	--	41,878	2,360	4,946	111,196
Natural Gas Processing Plant	143	63	206	617	47	1,389	2,053	1,063	4,221	1,819	104	125	7,332	196	162	9,949
Total	--	--	183,594	--	--	--	169,759	--	--	--	--	--	270,071	14,521	89,614	727,559
Pentanes Plus																
Refinery	19	0	19	144	47	148	339	376	165	110	1	17	669	3	61	1,091
Bulk Terminal	--	--	19	--	--	--	1,570	--	--	--	--	--	1,990	0	0	3,579
Pipeline	--	--	0	--	--	--	521	--	--	--	--	--	1,111	80	0	1,712
Natural Gas Processing Plant	4	19	23	28	12	285	325	343	507	541	45	29	1,465	77	19	1,909
Total	--	--	61	--	--	--	2,755	--	--	--	--	--	5,235	160	80	8,291
Liquefied Petroleum Gases																
Refinery	1,257	8	1,265	2,368	226	434	3,028	2,301	2,499	3,466	22	22	8,310	371	848	13,822
Bulk Terminal	--	--	2,319	--	--	--	21,652	--	--	--	--	--	49,621	62	1,983	75,637
Pipeline	--	--	1,688	--	--	--	6,399	--	--	--	--	--	5,943	421	0	14,451
Natural Gas Processing Plant	139	44	183	589	35	1,103	1,727	701	3,707	1,277	57	96	5,838	119	143	8,010
Total	--	--	5,455	--	--	--	32,806	--	--	--	--	--	69,712	973	2,974	111,920
Ethane																
Refinery	0	0	0	1	0	0	1	31	444	0	0	0	475	0	0	476
Bulk Terminal	--	--	2	--	--	--	2,177	--	--	--	--	--	15,101	0	0	17,280
Pipeline	--	--	0	--	--	--	1,310	--	--	--	--	--	2,286	123	0	3,719
Natural Gas Processing Plant	0	0	0	15	1	116	132	130	1,010	110	0	30	1,280	0	0	1,412
Total	--	--	2	--	--	--	3,620	--	--	--	--	--	19,142	123	0	22,887

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31, 1987 (Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	859	3	862	1,643	27	132	1,802	1,351	856	1,621	6	3	3,837	115	137	6,753
Bulk Terminal	--	--	1,793	--	--	--	15,820	--	--	--	--	--	22,633	61	582	40,889
Pipeline	--	--	1,555	--	--	--	3,628	--	--	--	--	--	2,544	164	0	7,891
Natural Gas Processing Plant	112	35	147	490	18	614	1,122	369	919	297	25	47	1,657	77	127	3,130
Total	--	--	4,357	--	--	--	22,372	--	--	--	--	--	30,671	417	846	58,663
Normal Butane																
Refinery	347	5	352	514	131	201	846	719	710	1,579	5	16	3,029	190	643	5,060
Bulk Terminal	--	--	522	--	--	--	2,684	--	--	--	--	--	8,997	1	1,197	13,401
Pipeline	--	--	133	--	--	--	969	--	--	--	--	--	701	87	0	1,890
Natural Gas Processing Plant	25	4	29	59	16	312	387	157	1,313	336	25	14	1,845	40	11	2,312
Total	--	--	1,036	--	--	--	4,886	--	--	--	--	--	14,572	318	1,851	22,663
Isobutane																
Refinery	51	0	51	210	68	101	379	200	489	266	11	3	969	66	68	1,533
Bulk Terminal	--	--	2	--	--	--	971	--	--	--	--	--	2,890	0	204	4,067
Pipeline	--	--	0	--	--	--	492	--	--	--	--	--	412	47	0	951
Natural Gas Processing Plant	2	5	7	25	0	61	86	45	465	534	7	5	1,056	2	5	1,156
Total	--	--	60	--	--	--	1,928	--	--	--	--	--	5,327	115	277	7,707
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	79	2	1	82	1	150	136	0	5	292	0	24	398
Total	--	--	0	--	--	--	82	--	--	--	--	--	292	0	24	398
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,806	228	4,034	2,418	145	988	3,551	536	7,672	4,654	151	37	13,050	776	4,723	26,134
Kerosene and Light Gas Oils	2,860	97	2,957	1,631	51	421	2,103	258	7,536	2,296	68	3	10,161	348	3,218	18,787
Heavy Gas Oils	5,718	227	5,945	3,411	383	1,203	4,997	818	8,363	7,228	511	169	17,089	607	10,463	39,101
Residuum	795	104	899	2,021	4	1,254	3,279	303	6,478	3,409	153	0	10,343	322	4,713	19,556
Total	13,179	656	13,835	9,481	583	3,866	13,930	1,915	30,049	17,587	883	209	50,643	2,053	23,117	103,578

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,525	95	5,620	4,989	481	1,756	7,226	1,334	7,480	5,994	236	248	15,292	1,389	7,752	37,279
Bulk Terminal	--	--	207	--	--	--	264	--	--	--	--	--	637	0	77	1,185
Pipeline	--	--	0	--	--	--	8	--	--	--	--	--	0	0	0	8
Total	--	--	5,827	--	--	--	7,498	--	--	--	--	--	15,929	1,389	7,829	38,472
Aviation Gasoline Blending Components																
Refinery	0	0	0	103	0	12	115	0	0	87	0	0	87	0	70	272
Total	--	--	0	--	--	--	115	--	--	--	--	--	87	0	70	272
Total Finished Motor Gasoline																
Refinery	9,082	511	9,593	5,347	970	2,924	9,241	1,522	10,273	5,451	708	140	18,094	1,646	8,739	47,313
Bulk Terminal	--	--	38,240	--	--	--	26,565	--	--	--	--	--	10,208	1,567	11,928	88,508
Pipeline	--	--	13,292	--	--	--	16,557	--	--	--	--	--	19,319	1,129	1,869	52,166
Total	--	--	61,125	--	--	--	52,363	--	--	--	--	--	47,621	4,342	22,536	187,987
Finished Leaded Motor Gasoline																
Refinery	1,295	222	1,517	1,537	432	1,423	3,392	481	2,845	1,339	186	60	4,911	782	2,607	13,209
Bulk Terminal	--	--	9,704	--	--	--	9,594	--	--	--	--	--	3,750	779	4,004	27,831
Pipeline	--	--	2,462	--	--	--	5,065	--	--	--	--	--	4,366	490	413	12,796
Total	--	--	13,683	--	--	--	18,051	--	--	--	--	--	13,027	2,051	7,024	53,836
Finished Unleaded Motor Gasoline																
Refinery	7,787	289	8,076	3,810	538	1,501	5,849	1,041	7,428	4,112	522	80	13,183	864	6,132	34,104
Bulk Terminal	--	--	28,536	--	--	--	16,971	--	--	--	--	--	6,458	788	7,924	60,677
Pipeline	--	--	10,830	--	--	--	11,492	--	--	--	--	--	14,953	639	1,456	39,370
Total	--	--	47,442	--	--	--	34,312	--	--	--	--	--	34,594	2,291	15,512	134,151
Finished Aviation Gasoline																
Refinery	63	0	63	69	13	12	94	44	304	151	0	0	499	33	138	827
Bulk Terminal	--	--	421	--	--	--	297	--	--	--	--	--	59	15	252	1,044
Pipeline	--	--	0	--	--	--	104	--	--	--	--	--	1	0	0	105
Total	--	--	484	--	--	--	495	--	--	--	--	--	559	48	390	1,976

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	344	0	344	303	17	140	460	281	690	463	103	133	1,670	258	933	3,665
Bulk Terminal	--	--	761	--	--	--	354	--	--	--	--	--	371	14	496	1,996
Pipeline	--	--	85	--	--	--	104	--	--	--	--	--	599	113	419	1,320
Total	--	--	1,190	--	--	--	918	--	--	--	--	--	2,640	385	1,848	6,981
Kerosene-Type Jet Fuel																
Refinery	1,393	0	1,393	1,525	237	425	2,187	377	4,417	3,086	47	48	7,975	334	2,549	14,438
Bulk Terminal	--	--	4,260	--	--	--	3,339	--	--	--	--	--	1,549	189	1,536	10,873
Pipeline	--	--	4,455	--	--	--	3,499	--	--	--	--	--	6,466	120	911	15,451
Total	--	--	10,108	--	--	--	9,025	--	--	--	--	--	15,990	643	4,996	40,762
Kerosene																
Refinery	224	102	326	359	76	189	624	69	787	439	75	0	1,370	46	218	2,554
Bulk Terminal	--	--	2,075	--	--	--	1,035	--	--	--	--	--	678	29	41	3,858
Pipeline	--	--	259	--	--	--	139	--	--	--	--	--	210	0	5	613
Total	--	--	2,660	--	--	--	1,798	--	--	--	--	--	2,258	75	264	7,055
Distillate Fuel Oils																
Refinery	7,382	388	7,770	5,527	1,685	2,036	9,248	834	8,332	5,406	1,162	109	15,843	1,411	3,905	38,177
Bulk Terminal	--	--	36,257	--	--	--	14,328	--	--	--	--	--	5,707	708	4,928	61,928
Pipeline	--	--	6,479	--	--	--	8,311	--	--	--	--	--	7,948	497	1,388	24,623
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	7
Total	--	--	50,506	--	--	--	31,887	--	--	--	--	--	29,505	2,616	10,221	124,735
Residual Fuel Oils																
Refinery	2,933	70	3,003	1,782	265	114	2,161	201	4,397	3,115	138	16	7,867	418	6,217	19,666
Bulk Terminal	--	--	18,247	--	--	--	873	--	--	--	--	--	4,201	0	2,439	25,760
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	0	0	260	264
Total	--	--	21,254	--	--	--	3,034	--	--	--	--	--	12,068	418	8,916	45,690
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	414	0	414	435	0	99	534	45	1,103	242	27	15	1,432	36	180	2,596
Total	414	0	414	435	0	99	534	45	1,103	242	27	15	1,432	36	180	2,596
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	6	0	0	6	122	1,416	257	0	0	1,795	2	155	1,962
Total	4	0	4	6	0	0	6	122	1,416	257	0	0	1,795	2	155	1,962

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	611	28	639	181	0	129	310	85	1,205	100	196	0	1,586	9	119	2,663
Bulk Terminal	--	--	622	--	--	--	211	--	--	--	--	--	27	0	19	879
Total	--	--	1,261	--	--	--	521	--	--	--	--	--	1,613	9	138	3,542
Lubricants																
Refinery	365	910	1,275	910	0	175	1,085	24	3,433	822	395	0	4,674	107	1,056	8,197
Bulk Terminal	--	--	1,827	--	--	--	831	--	--	--	--	--	460	2	583	3,703
Total	--	--	3,102	--	--	--	1,916	--	--	--	--	--	5,134	109	1,639	11,900
Waxes																
Refinery	0	83	83	76	0	20	96	20	232	98	17	0	367	64	103	713
Total	--	--	83	--	--	--	96	--	--	--	--	--	367	64	103	713
Petroleum Coke																
Refinery	628	0	628	382	1,069	320	1,771	8	395	1,524	173	0	2,100	5	1,609	6,113
Total	628	0	628	382	1,069	320	1,771	8	395	1,524	173	0	2,100	5	1,609	6,113
Asphalt and Road Oil																
Refinery	1,957	97	2,054	2,986	929	704	4,619	278	933	892	967	119	3,189	1,126	1,874	12,862
Bulk Terminal	--	--	2,881	--	--	--	3,163	--	--	--	--	--	523	53	203	6,823
Total	--	--	4,935	--	--	--	7,782	--	--	--	--	--	3,712	1,179	2,077	19,685
Miscellaneous Products																
Refinery	231	52	283	151	8	16	175	30	417	278	12	0	737	15	291	1,501
Bulk Terminal	--	--	379	--	--	--	143	--	--	--	--	--	339	0	63	924
Pipeline	--	--	0	--	--	--	108	--	--	--	--	--	281	0	94	483
Natural Gas Processing Plant	0	0	0	0	0	1	1	19	0	1	2	0	22	0	0	23
Total	--	--	662	--	--	--	427	--	--	--	--	--	1,379	15	448	2,931
Total Stocks, All Oils	--	--	**200,774**	--	--	--	**236,472**	--	--	--	--	--	**965,164**	**26,012**	**163,583**	**1,592,005**

1 Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, September 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,974	--	--	--	12,400	--	--	--	--	--	51,306	1,712	25,402	105,794
Tank Farms and Pipelines	--	--	1,290	--	--	--	54,315	--	--	--	--	--	95,612	9,287	28,887	189,391
Leases	--	--	49	--	--	--	1,388	--	--	--	--	--	17,458	1,144	1,507	21,546
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	533,890	0	0	533,890
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	20,433	20,433
Total	--	--	16,313	--	--	--	68,103	--	--	--	--	--	698,266	12,143	76,229	871,054
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,238	3,069	46,307	38,659	6,462	13,718	58,839	10,216	79,699	46,568	5,050	971	142,504	9,515	62,955	320,120
Bulk Terminal	--	--	111,334	--	--	--	73,559	--	--	--	--	--	78,382	2,726	25,611	291,612
Pipeline	--	--	27,009	--	--	--	34,470	--	--	--	--	--	42,933	2,422	5,181	112,015
Natural Gas Processing Plant	157	40	197	621	35	1,598	2,254	1,219	4,612	2,093	86	105	8,115	167	171	10,904
Total	--	--	184,847	--	--	--	169,122	--	--	--	--	--	271,934	14,830	93,918	734,651
Pentanes Plus																
Refinery	17	0	17	163	53	131	347	328	228	142	1	23	722	2	28	1,116
Bulk Terminal	--	--	19	--	--	--	1,515	--	--	--	--	--	2,328	0	0	3,862
Pipeline	--	--	0	--	--	--	508	--	--	--	--	--	971	79	0	1,558
Natural Gas Processing Plant	2	9	11	29	11	303	343	327	446	615	36	20	1,444	69	18	1,885
Total	--	--	47	--	--	--	2,713	--	--	--	--	--	5,465	150	46	8,421
Liquefied Petroleum Gases																
Refinery	1,084	14	1,098	2,662	210	442	3,314	2,308	2,908	3,376	25	25	8,642	388	799	14,241
Bulk Terminal	--	--	2,472	--	--	--	20,867	--	--	--	--	--	50,533	66	2,474	76,412
Pipeline	--	--	1,961	--	--	--	6,365	--	--	--	--	--	5,947	425	0	14,698
Natural Gas Processing Plant	155	31	186	592	24	1,294	1,910	877	4,163	1,476	48	85	6,649	98	153	8,996
Total	--	--	5,717	--	--	--	32,456	--	--	--	--	--	71,771	977	3,426	114,347
Ethane																
Refinery	0	0	0	1	0	0	1	51	530	0	0	0	581	0	14	596
Bulk Terminal	--	--	2	--	--	--	2,648	--	--	--	--	--	15,483	0	0	18,133
Pipeline	--	--	0	--	--	--	1,211	--	--	--	--	--	2,164	123	0	3,498
Natural Gas Processing Plant	0	0	0	15	0	144	159	140	860	122	0	30	1,152	0	0	1,311
Total	--	--	2	--	--	--	4,019	--	--	--	--	--	19,380	123	14	23,538

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, September 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	805	3	808	1,694	17	110	1,821	1,288	795	1,569	7	5	3,664	124	82	6,499
Bulk Terminal	--	--	1,898	--	--	--	14,306	--	--	--	--	--	21,533	65	700	38,502
Pipeline	--	--	1,804	--	--	--	3,873	--	--	--	--	--	2,524	168	0	8,369
Natural Gas Processing Plant	126	25	151	500	14	745	1,259	480	935	371	23	37	1,846	63	135	3,454
Total	--	--	4,661	--	--	--	21,259	--	--	--	--	--	29,567	420	917	56,824
Normal Butane																
Refinery	250	11	261	630	120	223	973	684	850	1,520	6	15	3,075	198	642	5,149
Bulk Terminal	--	--	571	--	--	--	2,811	--	--	--	--	--	9,701	1	1,540	14,624
Pipeline	--	--	157	--	--	--	884	--	--	--	--	--	832	87	0	1,960
Natural Gas Processing Plant	27	2	29	57	10	330	397	210	1,658	391	18	13	2,290	30	13	2,759
Total	--	--	1,018	--	--	--	5,065	--	--	--	--	--	15,898	316	2,195	24,492
Isobutane																
Refinery	29	0	29	337	73	109	519	285	733	287	12	5	1,322	66	61	1,997
Bulk Terminal	--	--	1	--	--	--	1,102	--	--	--	--	--	3,816	0	234	5,153
Pipeline	--	--	0	--	--	--	397	--	--	--	--	--	427	47	0	871
Natural Gas Processing Plant	2	4	6	20	0	75	95	47	710	592	7	5	1,361	5	5	1,472
Total	--	--	36	--	--	--	2,113	--	--	--	--	--	6,926	118	300	9,493
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	75	2	1	78	1	147	50	0	2	200	0	25	303
Total	--	--	0	--	--	--	78	--	--	--	--	--	200	0	25	303
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,629	252	3,881	2,534	130	1,120	3,784	744	6,989	4,939	135	37	12,844	872	4,909	26,290
Kerosene and Light Gas Oils	3,220	169	3,389	1,142	78	412	1,632	427	7,495	2,171	99	2	10,194	298	3,964	19,477
Heavy Gas Oils	5,340	216	5,556	3,337	314	1,391	5,042	714	7,325	6,283	536	116	14,974	748	10,720	37,040
Residuum	782	121	903	2,529	3	1,185	3,717	357	5,908	3,668	85	0	10,018	268	5,271	20,177
Total	12,971	758	13,729	9,542	525	4,108	14,175	2,242	27,717	17,061	855	155	48,030	2,186	24,864	102,984

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, September 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,384	100	5,484	5,244	435	1,811	7,490	1,256	7,649	5,732	224	253	15,114	1,339	7,924	37,351
Bulk Terminal	--	--	119	--	--	--	136	--	--	--	--	--	708	0	8	971
Pipeline	--	--	37	--	--	--	99	--	--	--	--	--	0	0	0	136
Total	--	--	5,640	--	--	--	7,725	--	--	--	--	--	15,822	1,339	7,932	38,458
Aviation Gasoline Blending Components																
Refinery	0	0	0	72	0	11	83	0	0	88	0	0	88	0	42	213
Total	--	--	0	--	--	--	83	--	--	--	--	--	88	0	42	213
Total Finished Motor Gasoline																
Refinery	7,082	465	7,547	6,366	1,257	2,744	10,367	1,691	12,701	5,503	584	163	20,642	1,852	8,730	49,138
Bulk Terminal	--	--	36,957	--	--	--	27,142	--	--	--	--	--	11,091	1,721	12,486	89,397
Pipeline	--	--	14,268	--	--	--	16,010	--	--	--	--	--	18,874	1,195	2,308	52,655
Total	--	--	58,772	--	--	--	53,519	--	--	--	--	--	50,607	4,768	23,524	191,190
Finished Leaded Motor Gasoline																
Refinery	1,347	164	1,511	1,621	471	1,170	3,262	571	2,992	1,566	175	64	5,368	936	2,528	13,605
Bulk Terminal	--	--	9,331	--	--	--	9,399	--	--	--	--	--	3,637	811	4,485	27,663
Pipeline	--	--	2,845	--	--	--	5,405	--	--	--	--	--	4,486	548	473	13,757
Total	--	--	13,687	--	--	--	18,066	--	--	--	--	--	13,491	2,295	7,486	55,025
Finished Unleaded Motor Gasoline																
Refinery	5,735	301	6,036	4,745	786	1,574	7,105	1,120	9,709	3,937	409	99	15,274	916	6,202	35,533
Bulk Terminal	--	--	27,626	--	--	--	17,743	--	--	--	--	--	7,454	910	8,001	61,734
Pipeline	--	--	11,423	--	--	--	10,605	--	--	--	--	--	14,388	647	1,835	38,898
Total	--	--	45,085	--	--	--	35,453	--	--	--	--	--	37,116	2,473	16,038	136,165
Finished Aviation Gasoline																
Refinery	94	0	94	63	13	16	92	85	321	171	0	0	577	28	217	1,008
Bulk Terminal	--	--	458	--	--	--	242	--	--	--	--	--	51	14	285	1,050
Pipeline	--	--	0	--	--	--	138	--	--	--	--	--	18	0	0	156
Total	--	--	552	--	--	--	472	--	--	--	--	--	646	42	502	2,214

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, September 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	436	0	436	250	15	115	380	295	778	413	123	108	1,717	271	566	3,370
Bulk Terminal	--	--	694	--	--	--	333	--	--	--	--	--	370	3	422	1,822
Pipeline	--	--	159	--	--	--	147	--	--	--	--	--	512	97	399	1,314
Total	--	--	1,289	--	--	--	860	--	--	--	--	--	2,599	371	1,387	6,506
Kerosene-Type Jet Fuel																
Refinery	2,126	21	2,147	1,537	215	593	2,345	287	4,289	2,653	53	50	7,332	382	3,089	15,295
Bulk Terminal	--	--	4,688	--	--	--	3,705	--	--	--	--	--	2,428	201	2,192	13,214
Pipeline	--	--	3,894	--	--	--	2,988	--	--	--	--	--	7,281	229	783	15,175
Total	--	--	10,729	--	--	--	9,038	--	--	--	--	--	17,041	812	6,064	43,684
Kerosene																
Refinery	209	92	301	609	54	202	865	64	802	552	72	0	1,490	42	219	2,917
Bulk Terminal	--	--	2,354	--	--	--	1,291	--	--	--	--	--	399	28	47	4,119
Pipeline	--	--	239	--	--	--	99	--	--	--	--	--	610	0	5	953
Total	--	--	2,894	--	--	--	2,255	--	--	--	--	--	2,499	70	271	7,989
Distillate Fuel Oils																
Refinery	6,966	397	7,363	5,425	1,726	2,153	9,304	845	9,163	4,566	1,105	78	15,757	1,597	4,560	38,581
Bulk Terminal	--	--	38,628	--	--	--	14,122	--	--	--	--	--	5,267	654	4,823	63,494
Pipeline	--	--	6,447	--	--	--	8,082	--	--	--	--	--	8,389	397	1,368	24,683
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	3	1	0	0	4	0	0	4
Total	--	--	52,438	--	--	--	31,508	--	--	--	--	--	29,417	2,648	10,751	126,762
Residual Fuel Oils																
Refinery	2,498	74	2,572	1,727	271	138	2,136	252	3,834	2,634	152	17	6,889	437	6,687	18,721
Bulk Terminal	--	--	18,614	--	--	--	741	--	--	--	--	--	3,949	0	2,093	25,397
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	60	0	235	299
Total	--	--	21,190	--	--	--	2,877	--	--	--	--	--	10,898	437	9,015	44,417
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	379	0	379	344	0	57	401	44	904	250	14	10	1,222	48	154	2,204
Total	379	0	379	344	0	57	401	44	904	250	14	10	1,222	48	154	2,204
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	6	0	0	6	129	1,114	213	0	0	1,456	2	97	1,565
Total	4	0	4	6	0	0	6	129	1,114	213	0	0	1,456	2	97	1,565

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, September 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	599	24	623	177	0	107	284	87	1,317	58	182	0	1,644	8	168	2,727
Bulk Terminal	--	--	599	--	--	--	276	--	--	--	--	--	27	0	29	931
Total	--	--	1,222	--	--	--	560	--	--	--	--	--	1,671	8	197	3,658
Lubricants																
Refinery	338	883	1,221	929	0	174	1,103	29	3,838	817	396	0	5,080	109	964	8,477
Bulk Terminal	--	--	1,894	--	--	--	840	--	--	--	--	--	443	3	512	3,692
Total	--	--	3,115	--	--	--	1,943	--	--	--	--	--	5,523	112	1,476	12,169
Waxes																
Refinery	0	92	92	62	0	26	88	24	213	97	9	0	343	131	97	751
Total	--	--	92	--	--	--	88	--	--	--	--	--	343	131	97	751
Petroleum Coke																
Refinery	684	0	684	443	851	266	1,560	7	297	1,181	172	0	1,657	18	1,719	5,638
Total	684	0	684	443	851	266	1,560	7	297	1,181	172	0	1,657	18	1,719	5,638
Asphalt and Road Oil																
Refinery	2,055	103	2,158	2,820	821	608	4,249	205	1,045	796	1,081	87	3,214	664	1,712	11,997
Bulk Terminal	--	--	3,337	--	--	--	2,208	--	--	--	--	--	523	36	207	6,311
Total	--	--	5,495	--	--	--	6,457	--	--	--	--	--	3,737	700	1,919	18,308
Miscellaneous Products																
Refinery	312	46	358	143	14	15	172	37	434	215	2	0	688	11	294	1,523
Bulk Terminal	--	--	501	--	--	--	141	--	--	--	--	--	265	0	33	940
Pipeline	--	--	0	--	--	--	34	--	--	--	--	--	271	0	83	388
Natural Gas Processing Plant	0	0	0	0	0	1	1	15	0	1	2	0	18	0	0	19
Total	--	--	859	--	--	--	348	--	--	--	--	--	1,242	11	410	2,870
Total Stocks, All Oils	--	--	**201,160**	--	--	--	**237,225**	--	--	--	--	--	**970,200**	**26,973**	**170,147**	**1,605,705**

[1] Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, October 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,699	--	--	--	12,319	--	--	--	--	--	49,858	1,922	26,723	105,521
Tank Farms and Pipelines	--	--	1,275	--	--	--	58,683	--	--	--	--	--	101,028	9,566	32,322	202,874
Leases	--	--	44	--	--	--	1,382	--	--	--	--	--	17,297	1,156	1,558	21,437
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	535,652	0	0	535,652
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	26,062	26,062
Total	--	--	16,018	--	--	--	72,384	--	--	--	--	--	703,835	12,644	86,665	891,546
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	40,347	2,948	43,295	37,497	5,015	14,070	56,582	11,083	77,363	48,447	4,700	962	142,555	9,081	61,481	312,994
Bulk Terminal	--	--	108,583	--	--	--	68,633	--	--	--	--	--	77,339	2,363	26,876	283,794
Pipeline	--	--	28,086	--	--	--	33,709	--	--	--	--	--	41,597	2,436	4,976	110,804
Natural Gas Processing Plant	155	43	198	608	31	1,656	2,295	1,218	4,453	2,111	82	114	7,978	185	183	10,839
Total	--	--	180,162	--	--	--	161,219	--	--	--	--	--	269,469	14,065	93,516	718,431
Pentanes Plus																
Refinery	19	0	19	127	58	137	322	267	177	158	1	14	617	1	18	977
Bulk Terminal	--	--	27	--	--	--	1,514	--	--	--	--	--	1,828	0	0	3,369
Pipeline	--	--	0	--	--	--	423	--	--	--	--	--	997	79	0	1,499
Natural Gas Processing Plant	5	3	8	26	10	304	340	350	505	662	35	28	1,580	75	20	2,023
Total	--	--	54	--	--	--	2,599	--	--	--	--	--	5,022	155	38	7,868
Liquefied Petroleum Gases																
Refinery	1,073	12	1,085	2,838	184	534	3,556	2,465	2,713	3,252	32	20	8,482	377	831	14,331
Bulk Terminal	--	--	2,008	--	--	--	19,287	--	--	--	--	--	49,931	73	2,704	74,003
Pipeline	--	--	1,767	--	--	--	6,870	--	--	--	--	--	6,329	421	0	15,387
Natural Gas Processing Plant	150	40	190	582	21	1,351	1,954	849	3,941	1,447	44	86	6,367	110	163	8,784
Total	--	--	5,050	--	--	--	31,667	--	--	--	--	--	71,109	981	3,698	112,505
Ethane																
Refinery	0	0	0	1	0	0	1	69	459	0	0	0	528	0	0	529
Bulk Terminal	--	--	2	--	--	--	2,978	--	--	--	--	--	15,818	0	0	18,798
Pipeline	--	--	0	--	--	--	1,267	--	--	--	--	--	2,369	123	0	3,759
Natural Gas Processing Plant	0	0	0	15	0	92	107	101	871	95	0	2	1,069	0	0	1,176
Total	--	--	2	--	--	--	4,353	--	--	--	--	--	19,784	123	0	24,262

See footnotes at end of table.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	815	3	818	1,818	24	113	1,955	1,326	783	1,454	6	4	3,573	116	119	6,581
Bulk Terminal	--	--	1,517	--	--	--	12,353	--	--	--	--	--	20,854	73	695	35,492
Pipeline	--	--	1,682	--	--	--	4,198	--	--	--	--	--	2,752	164	0	8,796
Natural Gas Processing Plant	116	28	144	506	14	841	1,361	472	973	357	17	57	1,876	69	144	3,594
Total	--	--	4,161	--	--	--	19,867	--	--	--	--	--	29,055	422	958	54,463
Normal Butane																
Refinery	202	9	211	719	102	317	1,138	817	737	1,453	6	9	3,022	193	666	5,230
Bulk Terminal	--	--	487	--	--	--	2,527	--	--	--	--	--	9,115	0	1,765	13,894
Pipeline	--	--	85	--	--	--	1,081	--	--	--	--	--	769	88	0	2,023
Natural Gas Processing Plant	31	6	37	42	7	344	393	220	1,369	389	19	20	2,017	38	13	2,498
Total	--	--	820	--	--	--	5,139	--	--	--	--	--	14,923	319	2,444	23,645
Isobutane																
Refinery	56	0	56	300	58	104	462	253	734	345	20	7	1,359	68	46	1,991
Bulk Terminal	--	--	2	--	--	--	1,429	--	--	--	--	--	4,144	0	244	5,819
Pipeline	--	--	0	--	--	--	324	--	--	--	--	--	439	46	0	809
Natural Gas Processing Plant	3	6	9	19	0	74	93	56	728	606	8	7	1,405	3	6	1,516
Total	--	--	67	--	--	--	2,308	--	--	--	--	--	7,347	117	296	10,135
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	130	3	3	136	1	166	66	0	3	236	0	28	400
Total	--	--	0	--	--	--	136	--	--	--	--	--	236	0	28	400
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,473	361	3,834	2,567	138	1,421	4,126	679	7,905	4,859	220	34	13,697	1,045	4,973	27,675
Kerosene and Light Gas Oils	3,061	129	3,190	2,207	54	731	2,992	439	5,888	2,539	101	3	8,970	234	4,166	19,552
Heavy Gas Oils	5,242	212	5,454	4,433	223	1,713	6,369	823	6,968	6,200	421	123	14,535	956	11,022	38,336
Residuum	728	144	872	2,169	1	1,608	3,778	582	5,271	3,498	88	0	9,439	229	5,003	19,321
Total	12,504	846	13,350	11,376	416	5,473	17,265	2,523	26,032	17,096	830	160	46,641	2,464	25,164	104,884

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, October 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,197	79	4,276	4,971	462	1,528	6,961	1,519	7,509	6,384	188	206	15,806	1,496	6,856	35,395
Bulk Terminal	--	--	130	--	--	--	189	--	--	--	--	--	445	0	5	769
Pipeline	--	--	2	--	--	--	18	--	--	--	--	--	5	0	0	25
Total	--	--	4,408	--	--	--	7,168	--	--	--	--	--	16,256	1,496	6,861	36,189
Aviation Gasoline Blending Components																
Refinery	0	0	0	122	0	7	129	0	0	84	0	0	84	0	50	263
Total	--	--	0	--	--	--	129	--	--	--	--	--	84	0	50	263
Total Finished Motor Gasoline																
Refinery	6,656	400	7,056	5,789	1,098	2,139	9,026	1,789	12,810	5,617	627	183	21,026	1,619	7,701	46,428
Bulk Terminal	--	--	34,900	--	--	--	25,348	--	--	--	--	--	10,081	1,415	12,872	84,616
Pipeline	--	--	13,570	--	--	--	15,942	--	--	--	--	--	17,695	1,156	2,425	50,788
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	55,526	--	--	--	50,316	--	--	--	--	--	48,803	4,190	22,998	181,833
Finished Leaded Motor Gasoline																
Refinery	1,252	189	1,441	1,523	357	794	2,674	655	3,089	1,400	159	69	5,372	683	2,414	12,584
Bulk Terminal	--	--	8,485	--	--	--	8,797	--	--	--	--	--	3,378	697	4,671	26,028
Pipeline	--	--	2,878	--	--	--	5,393	--	--	--	--	--	3,651	602	472	12,996
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	12,804	--	--	--	16,864	--	--	--	--	--	12,402	1,982	7,557	51,609
Finished Unleaded Motor Gasoline																
Refinery	5,404	211	5,615	4,266	741	1,345	6,352	1,134	9,721	4,217	468	114	15,654	936	5,287	33,844
Bulk Terminal	--	--	26,415	--	--	--	16,551	--	--	--	--	--	6,703	718	8,201	58,588
Pipeline	--	--	10,692	--	--	--	10,549	--	--	--	--	--	14,044	554	1,953	37,792
Total	--	--	42,722	--	--	--	33,452	--	--	--	--	--	36,401	2,208	15,441	130,224
Finished Aviation Gasoline																
Refinery	113	0	113	82	31	16	129	77	319	113	0	0	509	30	218	999
Bulk Terminal	--	--	476	--	--	--	260	--	--	--	--	--	58	16	295	1,105
Pipeline	--	--	20	--	--	--	103	--	--	--	--	--	5	0	0	128
Total	--	--	609	--	--	--	492	--	--	--	--	--	572	46	513	2,232

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, October 31, 1987 (Continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	392	0	392	295	24	76	395	304	848	428	101	132	1,813	277	613	3,490
Bulk Terminal	--	--	843	--	--	--	417	--	--	--	--	--	490	23	473	2,246
Pipeline	--	--	76	--	--	--	227	--	--	--	--	--	452	116	490	1,361
Total	--	--	1,311	--	--	--	1,039	--	--	--	--	--	2,755	416	1,576	7,097
Kerosene-Type Jet Fuel																
Refinery	2,019	13	2,032	1,374	211	562	2,147	431	3,625	2,862	34	69	7,021	436	3,508	15,144
Bulk Terminal	--	--	4,049	--	--	--	3,392	--	--	--	--	--	2,181	163	2,679	12,464
Pipeline	--	--	4,049	--	--	--	3,195	--	--	--	--	--	6,830	173	885	15,132
Total	--	--	10,130	--	--	--	8,734	--	--	--	--	--	16,032	772	7,072	42,740
Kerosene																
Refinery	240	76	316	557	50	319	926	66	628	673	56	0	1,423	29	282	2,976
Bulk Terminal	--	--	2,376	--	--	--	1,437	--	--	--	--	--	655	30	49	4,547
Pipeline	--	--	401	--	--	--	222	--	--	--	--	--	565	0	[B]	1,196
Total	--	--	3,093	--	--	--	2,585	--	--	--	--	--	2,643	59	339	8,719
Distillate Fuel Oils																
Refinery	6,584	337	6,921	4,093	1,478	2,155	7,726	740	8,401	4,466	933	71	14,611	1,173	4,624	35,055
Bulk Terminal	--	--	38,238	--	--	--	12,297	--	--	--	--	--	5,214	606	4,927	61,282
Pipeline	--	--	8,201	--	--	--	6,692	--	--	--	--	--	8,387	491	859	24,630
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	1	0	0	7	0	0	7
Total	--	--	53,360	--	--	--	26,715	--	--	--	--	--	28,219	2,270	10,410	120,974
Residual Fuel Oils																
Refinery	2,164	61	2,225	1,418	254	159	1,831	186	4,681	2,775	192	14	7,848	383	6,203	18,490
Bulk Terminal	--	--	18,995	--	--	--	671	--	--	--	--	--	5,189	0	2,006	26,861
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	60	0	208	268
Total	--	--	21,220	--	--	--	2,502	--	--	--	--	--	13,097	383	8,417	45,619
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	289	0	289	376	0	66	442	33	1,042	356	4	7	1,442	20	221	2,414
Total	289	0	289	376	0	66	442	33	1,042	356	4	7	1,442	20	221	2,414
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	6	0	6	6	0	0	6	132	1,076	135	0	0	1,343	2	129	1,486
Total	6	0	6	6	0	0	6	132	1,076	135	0	0	1,343	2	129	1,486

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, October 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	610	33	643	186	0	72	258	99	1,427	97	148	0	1,771	7	141	2,820
Bulk Terminal	--	--	601	--	--	--	285	--	--	--	--	--	34	0	23	943
Total	--	--	1,244	--	--	--	543	--	--	--	--	--	1,805	7	164	3,763
Lubricants																
Refinery	413	856	1,269	786	0	166	952	33	3,975	1,131	414	0	5,553	95	933	8,802
Bulk Terminal	--	--	2,031	--	--	--	802	--	--	--	--	--	425	2	558	3,818
Total	--	--	3,300	--	--	--	1,754	--	--	--	--	--	5,978	97	1,491	12,620
Waxes																
Refinery	0	79	79	74	0	25	99	33	214	103	14	0	364	63	107	712
Total	--	--	79	--	--	--	99	--	--	--	--	--	364	63	107	712
Petroleum Coke																
Refinery	752	0	752	307	0	172	479	12	277	1,608	176	0	2,073	10	1,729	5,043
Total	752	0	752	307	0	172	479	12	277	1,608	176	0	2,073	10	1,729	5,043
Asphalt and Road Oil																
Refinery	1,957	125	2,082	2,455	734	445	3,634	307	952	870	948	83	3,160	588	1,843	11,307
Bulk Terminal	--	--	3,454	--	--	--	2,539	--	--	--	--	--	489	35	157	6,674
Total	--	--	5,536	--	--	--	6,173	--	--	--	--	--	3,649	623	2,000	17,981
Miscellaneous Products																
Refinery	359	31	390	135	12	16	163	66	491	173	2	0	732	11	282	1,578
Bulk Terminal	--	--	455	--	--	--	195	--	--	--	--	--	319	0	128	1,097
Pipeline	--	--	0	--	--	--	17	--	--	--	--	--	272	0	101	390
Natural Gas Processing Plant	0	0	0	0	0	1	1	19	0	1	3	0	23	0	0	24
Total	--	--	845	--	--	--	376	--	--	--	--	--	1,346	11	511	3,089
Total Stocks, All Oils	**--**	**--**	**196,180**	**--**	**--**	**--**	**233,603**	**--**	**--**	**--**	**--**	**--**	**973,304**	**26,709**	**180,181**	**1,609,977**

1 Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Stocks of Crude Oil and Petroleum Products by PAD District and State
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,462	--	--	--	12,411	--	--	--	--	--	53,189	1,997	24,237	105,296
Tank Farms and Pipelines	--	--	1,196	--	--	--	58,946	--	--	--	--	--	103,037	9,453	35,144	207,776
Leases	--	--	43	--	--	--	1,416	--	--	--	--	--	17,123	1,197	1,560	21,339
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	538,547	0	0	538,547
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	29,226	29,226
Total	--	--	14,701	--	--	--	72,773	--	--	--	--	--	711,896	12,647	90,167	902,184
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,354	3,145	44,499	38,376	5,588	15,380	59,344	10,911	77,501	48,166	5,439	1,139	143,156	9,877	63,509	320,385
Bulk Terminal	--	--	111,335	--	--	--	75,716	--	--	--	--	--	74,424	2,624	26,233	290,332
Pipeline	--	--	28,709	--	--	--	35,026	--	--	--	--	--	41,430	2,447	4,714	112,326
Natural Gas Processing Plant	155	52	207	638	57	1,714	2,409	1,170	2,880	2,464	85	127	6,726	212	167	9,721
Total	--	--	184,750	--	--	--	172,495	--	--	--	--	--	265,736	15,160	94,623	732,764
Pentanes Plus																
Refinery	18	0	18	111	67	72	250	300	174	121	1	31	627	2	25	922
Bulk Terminal	--	--	22	--	--	--	1,505	--	--	--	--	--	1,465	0	0	2,992
Pipeline	--	--	0	--	--	--	640	--	--	--	--	--	966	81	0	1,687
Natural Gas Processing Plant	5	5	10	19	16	310	345	334	403	713	32	24	1,506	74	14	1,949
Total	--	--	50	--	--	--	2,740	--	--	--	--	--	4,564	157	39	7,550
Liquefied Petroleum Gases																
Refinery	1,143	17	1,160	2,845	118	534	3,497	2,088	2,351	3,402	26	24	7,891	368	792	13,708
Bulk Terminal	--	--	2,286	--	--	--	19,871	--	--	--	--	--	47,126	75	2,368	71,726
Pipeline	--	--	2,059	--	--	--	7,021	--	--	--	--	--	5,945	429	0	15,454
Natural Gas Processing Plant	150	47	197	619	41	1,404	2,064	820	2,470	1,743	50	103	5,186	138	153	7,738
Total	--	--	5,702	--	--	--	32,453	--	--	--	--	--	66,148	1,010	3,313	108,626
Ethane																
Refinery	0	0	0	1	0	0	1	91	221	0	0	0	312	0	0	313
Bulk Terminal	--	--	2	--	--	--	3,439	--	--	--	--	--	14,699	0	0	18,140
Pipeline	--	--	0	--	--	--	1,397	--	--	--	--	--	2,467	126	0	3,990
Natural Gas Processing Plant	0	0	0	15	0	139	154	99	625	261	0	15	1,000	1	0	1,155
Total	--	--	2	--	--	--	4,991	--	--	--	--	--	18,478	127	0	23,598

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, November 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	909	7	916	1,917	24	111	2,052	1,110	837	1,494	6	3	3,450	126	171	6,715
Bulk Terminal	--	--	2,032	--	--	--	12,588	--	--	--	--	--	19,503	74	663	34,860
Pipeline	--	--	1,957	--	--	--	4,420	--	--	--	--	--	2,259	169	0	8,805
Natural Gas Processing Plant	117	34	151	541	22	865	1,428	456	865	295	25	52	1,693	92	140	3,504
Total	--	--	5,056	--	--	--	20,488	--	--	--	--	--	26,905	461	974	53,884
Normal Butane																
Refinery	184	10	194	629	54	270	953	678	578	1,584	4	12	2,856	163	535	4,701
Bulk Terminal	--	--	250	--	--	--	2,376	--	--	--	--	--	8,536	1	1,461	12,624
Pipeline	--	--	102	--	--	--	777	--	--	--	--	--	830	87	0	1,796
Natural Gas Processing Plant	29	6	35	40	19	330	389	210	583	501	18	30	1,342	40	9	1,815
Total	--	--	581	--	--	--	4,495	--	--	--	--	--	13,564	291	2,005	20,936
Isobutane																
Refinery	50	0	50	298	40	153	491	209	715	324	16	9	1,273	79	86	1,979
Bulk Terminal	--	--	2	--	--	--	1,468	--	--	--	--	--	4,388	0	244	6,102
Pipeline	--	--	0	--	--	--	427	--	--	--	--	--	389	47	0	863
Natural Gas Processing Plant	4	7	11	23	0	70	93	55	397	686	7	6	1,151	5	4	1,264
Total	--	--	63	--	--	--	2,479	--	--	--	--	--	7,201	131	334	10,208
Other Hydrocarbons and Alcohol																
Refinery	57	0	57	74	2	27	103	1	152	132	0	2	287	23	19	489
Total	--	--	57	--	--	--	103	--	--	--	--	--	287	23	19	489
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,709	358	4,067	2,165	127	780	3,072	571	7,767	4,412	153	48	12,951	787	4,991	25,868
Kerosene and Light Gas Oils	3,251	129	3,380	2,136	41	799	2,976	331	6,437	2,714	129	4	9,615	233	3,774	19,978
Heavy Gas Oils	4,267	210	4,477	4,193	187	1,950	6,330	696	7,621	5,674	426	112	14,529	949	9,784	36,069
Residuum	836	132	968	2,146	2	1,340	3,488	497	5,226	3,739	81	0	9,543	381	5,642	20,022
Total	12,063	829	12,892	10,640	357	4,869	15,866	2,095	27,051	16,539	789	164	46,638	2,350	24,191	101,937

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, November 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,259	88	4,347	5,213	485	1,661	7,359	1,712	7,707	5,511	199	282	15,411	1,515	7,066	35,698
Bulk Terminal	--	--	62	--	--	--	303	--	--	--	--	--	1,023	0	11	1,399
Pipeline	--	--	0	--	--	--	19	--	--	--	--	--	5	0	0	24
Total	--	--	4,409	--	--	--	7,681	--	--	--	--	--	16,439	1,515	7,077	37,121
Aviation Gasoline Blending Components																
Refinery	0	0	0	125	0	8	133	0	0	79	0	0	79	0	57	269
Total	--	--	0	--	--	--	133	--	--	--	--	--	79	0	57	269
Total Finished Motor Gasoline																
Refinery	7,767	434	8,201	6,245	1,360	3,015	10,620	1,835	10,846	5,666	1,071	212	19,630	1,842	8,707	49,000
Bulk Terminal	--	--	36,573	--	--	--	27,778	--	--	--	--	--	9,790	1,569	11,839	87,549
Pipeline	--	--	13,925	--	--	--	15,799	--	--	--	--	--	18,710	1,183	1,903	51,520
Total	--	--	58,699	--	--	--	54,197	--	--	--	--	--	48,130	4,594	22,449	188,069
Finished Leaded Motor Gasoline																
Refinery	1,472	172	1,644	1,905	363	1,201	3,469	626	2,108	1,178	183	76	4,171	749	2,921	12,954
Bulk Terminal	--	--	8,933	--	--	--	10,238	--	--	--	--	--	3,321	733	4,350	27,575
Pipeline	--	--	2,421	--	--	--	4,880	--	--	--	--	--	4,717	597	360	12,975
Total	--	--	12,998	--	--	--	18,587	--	--	--	--	--	12,209	2,079	7,631	53,504
Finished Unleaded Motor Gasoline																
Refinery	6,295	262	6,557	4,340	997	1,814	7,151	1,209	8,738	4,488	888	136	15,459	1,093	5,786	36,046
Bulk Terminal	--	--	27,640	--	--	--	17,540	--	--	--	--	--	6,469	836	7,489	59,974
Pipeline	--	--	11,504	--	--	--	10,919	--	--	--	--	--	13,993	586	1,543	38,545
Total	--	--	45,701	--	--	--	35,610	--	--	--	--	--	35,921	2,515	14,818	134,565
Finished Aviation Gasoline																
Refinery	75	0	75	85	2	4	91	96	261	148	0	0	505	30	211	912
Bulk Terminal	--	--	400	--	--	--	312	--	--	--	--	--	49	23	330	1,114
Pipeline	--	--	0	--	--	--	53	--	--	--	--	--	86	0	0	139
Total	--	--	475	--	--	--	456	--	--	--	--	--	640	53	541	2,165

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, November 30, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	268	0	268	236	30	173	439	312	514	531	84	117	1,558	297	709	3,271
Bulk Terminal	--	--	868	--	--	--	468	--	--	--	--	--	462	17	506	2,321
Pipeline	--	--	146	--	--	--	132	--	--	--	--	--	579	133	461	1,451
Total	--	--	1,282	--	--	--	1,039	--	--	--	--	--	2,599	447	1,676	7,043
Kerosene-Type Jet Fuel																
Refinery	2,285	26	2,311	1,378	305	441	2,124	440	4,208	3,037	37	58	7,780	465	3,894	16,574
Bulk Terminal	--	--	4,845	--	--	--	3,774	--	--	--	--	--	1,675	142	2,501	12,937
Pipeline	--	--	4,416	--	--	--	2,805	--	--	--	--	--	6,262	158	785	14,426
Total	--	--	11,572	--	--	--	8,703	--	--	--	--	--	15,717	765	7,180	43,937
Kerosene																
Refinery	324	85	409	800	75	285	1,160	88	747	550	48	0	1,433	42	238	3,282
Bulk Terminal	--	--	2,932	--	--	--	1,557	--	--	--	--	--	539	30	28	5,086
Pipeline	--	--	367	--	--	--	221	--	--	--	--	--	297	0	17	902
Total	--	--	3,708	--	--	--	2,938	--	--	--	--	--	2,269	72	283	9,270
Distillate Fuel Oils																
Refinery	6,479	478	6,957	4,935	1,595	2,817	9,347	857	8,897	4,178	1,068	121	15,121	1,406	4,849	37,680
Bulk Terminal	--	--	37,370	--	--	--	15,519	--	--	--	--	--	5,807	754	4,845	64,295
Pipeline	--	--	7,796	--	--	--	8,238	--	--	--	--	--	8,255	463	1,263	26,015
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	7	7	0	0	14	0	0	14
Total	--	--	52,123	--	--	--	33,104	--	--	--	--	--	29,197	2,623	10,957	128,004
Residual Fuel Oils																
Refinery	2,740	54	2,794	1,587	281	222	2,090	239	4,156	3,648	201	16	8,260	373	7,404	20,921
Bulk Terminal	--	--	20,223	--	--	--	1,038	--	--	--	--	--	5,118	0	2,405	28,784
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	60	0	210	270
Total	--	--	23,017	--	--	--	3,128	--	--	--	--	--	13,438	373	10,019	49,975
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	447	0	447	403	0	66	469	41	1,050	257	34	8	1,390	21	160	2,487
Total	447	0	447	403	0	66	469	41	1,050	257	34	8	1,390	21	160	2,487
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	8	0	8	6	0	0	6	123	1,301	152	0	0	1,576	3	197	1,790
Total	8	0	8	6	0	0	6	123	1,301	152	0	0	1,576	3	197	1,790

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, November 30, 1987 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	601	27	628	192	0	107	299	110	1,233	100	169	0	1,612	7	156	2,702
Bulk Terminal	--	--	637	--	--	--	271	--	--	--	--	--	33	0	20	961
Total	--	--	1,265	--	--	--	570	--	--	--	--	--	1,645	7	176	3,663
Lubricants																
Refinery	325	842	1,167	823	0	184	1,007	29	4,654	1,299	465	0	6,447	108	881	9,610
Bulk Terminal	--	--	1,980	--	--	--	945	--	--	--	--	--	452	3	658	4,038
Total	--	--	3,147	--	--	--	1,952	--	--	--	--	--	6,899	111	1,539	13,648
Waxes																
Refinery	0	76	76	77	0	22	99	37	223	136	19	0	415	75	111	776
Total	--	--	76	--	--	--	99	--	--	--	--	--	415	75	111	776
Petroleum Coke																
Refinery	632	0	632	249	89	180	518	13	495	1,872	209	0	2,589	40	1,581	5,360
Total	632	0	632	249	89	180	518	13	495	1,872	209	0	2,589	40	1,581	5,360
Asphalt and Road Oil																
Refinery	1,654	150	1,804	2,190	809	674	3,673	416	1,007	600	1,018	104	3,145	892	1,983	11,497
Bulk Terminal	--	--	2,564	--	--	--	2,222	--	--	--	--	--	441	10	163	5,400
Total	--	--	4,368	--	--	--	5,895	--	--	--	--	--	3,586	902	2,146	16,897
Miscellaneous Products																
Refinery	209	39	248	162	13	19	194	79	474	208	1	0	762	18	278	1,500
Bulk Terminal	--	--	573	--	--	--	153	--	--	--	--	--	444	1	559	1,730
Pipeline	--	--	0	--	--	--	98	--	--	--	--	--	265	0	75	438
Natural Gas Processing Plant	0	0	0	0	0	0	0	16	0	1	3	0	20	0	0	20
Total	--	--	821	--	--	--	445	--	--	--	--	--	1,491	19	912	3,688
Total Stocks, All Oils	--	--	**199,451**	--	--	--	**245,268**	--	--	--	--	--	**977,632**	**27,807**	**184,790**	**1,634,948**

1 Includes 38,395 thousand barrels of domestic crude oil.

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, December 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,298	--	--	--	12,662	--	--	--	--	--	44,773	1,960	22,158	95,851
Tank Farms and Pipelines	--	--	1,197	--	--	--	58,948	--	--	--	--	--	95,750	9,395	39,323	204,613
Leases	--	--	40	--	--	--	1,433	--	--	--	--	--	17,047	1,175	1,482	21,177
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	540,648	0	0	540,648
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	27,354	27,354
Total	--	--	15,535	--	--	--	73,043	--	--	--	--	--	698,218	12,530	90,317	889,643
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,206	3,147	46,353	36,113	6,378	16,086	58,577	10,747	70,977	47,712	5,756	1,121	136,313	10,904	61,216	313,363
Bulk Terminal	--	--	108,953	--	--	--	74,845	--	--	--	--	--	69,078	3,098	24,792	280,766
Pipeline	--	--	27,348	--	--	--	35,503	--	--	--	--	--	44,279	2,624	5,032	114,786
Natural Gas Processing Plant	128	43	171	602	40	1,616	2,258	1,070	2,561	2,318	96	121	6,166	178	120	8,893
Total	--	--	182,825	--	--	--	171,183	--	--	--	--	--	255,836	16,804	91,160	717,808
Pentanes Plus																
Refinery	19	0	19	72	56	107	235	296	210	111	2	22	641	1	17	913
Bulk Terminal	--	--	20	--	--	--	1,479	--	--	--	--	--	1,196	0	9	2,704
Pipeline	--	--	0	--	--	--	725	--	--	--	--	--	699	82	0	1,506
Natural Gas Processing Plant	6	8	14	25	14	313	352	321	301	764	32	30	1,448	71	17	1,902
Total	--	--	53	--	--	--	2,791	--	--	--	--	--	3,984	154	43	7,025
Liquefied Petroleum Gases																
Refinery	954	10	964	2,080	118	624	2,822	1,478	2,299	2,565	26	18	6,386	323	519	11,014
Bulk Terminal	--	--	2,351	--	--	--	17,807	--	--	--	--	--	41,427	73	1,638	63,296
Pipeline	--	--	2,145	--	--	--	7,206	--	--	--	--	--	6,046	431	0	15,828
Natural Gas Processing Plant	122	35	157	577	26	1,303	1,906	724	2,256	1,550	62	91	4,683	107	103	6,956
Total	--	--	5,617	--	--	--	29,741	--	--	--	--	--	58,542	934	2,260	97,094
Ethane																
Refinery	0	0	0	1	0	0	1	36	250	0	0	0	286	0	0	287
Bulk Terminal	--	--	2	--	--	--	3,280	--	--	--	--	--	13,804	0	0	17,086
Pipeline	--	--	0	--	--	--	1,476	--	--	--	--	--	2,294	126	0	3,896
Natural Gas Processing Plant	0	0	0	15	0	125	140	81	654	109	1	5	850	2	0	992
Total	--	--	2	--	--	--	4,897	--	--	--	--	--	17,234	128	0	22,261

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	693	2	695	1,338	26	159	1,523	715	797	1,137	5	2	2,656	77	156	5,107
Bulk Terminal	--	--	1,918	--	--	--	11,010	--	--	--	--	--	17,095	73	431	30,527
Pipeline	--	--	2,036	--	--	--	4,216	--	--	--	--	--	2,636	170	0	9,058
Natural Gas Processing Plant	83	22	105	518	18	832	1,368	384	781	239	22	49	1,475	65	87	3,100
Total	--	--	4,754	--	--	--	18,117	--	--	--	--	--	23,862	385	674	47,792
Normal Butane																
Refinery	189	8	197	514	46	325	885	442	575	1,134	7	9	2,167	162	295	3,706
Bulk Terminal	--	--	429	--	--	--	1,846	--	--	--	--	--	5,920	0	966	9,161
Pipeline	--	--	109	--	--	--	1,066	--	--	--	--	--	786	88	0	2,049
Natural Gas Processing Plant	35	7	42	25	8	260	293	207	465	523	24	27	1,246	35	10	1,626
Total	--	--	777	--	--	--	4,090	--	--	--	--	--	10,119	285	1,271	16,542
Isobutane																
Refinery	72	0	72	227	46	140	413	285	677	294	14	7	1,277	84	68	1,914
Bulk Terminal	--	--	2	--	--	--	1,671	--	--	--	--	--	4,608	0	241	6,522
Pipeline	--	--	0	--	--	--	448	--	--	--	--	--	330	47	0	825
Natural Gas Processing Plant	4	6	10	19	0	86	105	52	356	679	15	10	1,112	5	6	1,238
Total	--	--	84	--	--	--	2,637	--	--	--	--	--	7,327	136	315	10,499
Other Hydrocarbons and Alcohol																
Refinery	20	0	20	136	3	47	186	1	144	45	0	3	193	14	14	427
Total	--	--	20	--	--	--	186	--	--	--	--	--	193	14	14	427
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,273	269	3,542	2,262	103	885	3,250	632	6,887	4,059	135	41	11,754	724	4,575	23,845
Kerosene and Light Gas Oils	2,941	150	3,091	1,475	61	497	2,033	363	5,402	2,491	154	2	8,412	259	3,404	17,199
Heavy Gas Oils	3,795	220	4,015	3,090	209	1,920	5,219	619	6,342	6,402	433	123	13,919	967	9,654	33,774
Residuum	943	132	1,075	2,101	2	1,275	3,378	456	4,710	3,265	94	0	8,525	372	5,017	18,367
Total	10,952	771	11,723	8,928	375	4,577	13,880	2,070	23,341	16,217	816	166	42,610	2,322	22,650	93,185

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,234	112	5,346	5,034	655	1,636	7,325	1,714	6,435	5,772	225	231	14,377	1,697	7,528	36,273
Bulk Terminal	--	--	159	--	--	--	330	--	--	--	--	--	546	27	5	1,067
Pipeline	--	--	0	--	--	--	32	--	--	--	--	--	0	0	0	32
Total	--	--	5,505	--	--	--	7,687	--	--	--	--	--	14,923	1,724	7,533	37,372
Aviation Gasoline Blending Components																
Refinery	0	0	0	152	0	4	156	0	0	69	0	0	69	0	31	256
Total	--	--	0	--	--	--	156	--	--	--	--	--	69	0	31	256
Total Finished Motor Gasoline																
Refinery	8,863	370	9,233	5,783	1,337	3,025	10,145	1,881	11,861	5,764	1,213	200	20,919	2,078	8,608	50,983
Bulk Terminal	--	--	35,537	--	--	--	27,637	--	--	--	--	--	10,011	1,776	11,046	86,007
Pipeline	--	--	12,699	--	--	--	15,715	--	--	--	--	--	20,036	1,201	2,170	51,821
Total	--	--	57,469	--	--	--	53,497	--	--	--	--	--	50,966	5,055	21,824	188,811
Finished Leaded Motor Gasoline																
Refinery	1,604	181	1,785	1,681	429	1,172	3,282	702	2,927	1,230	200	86	5,145	793	2,738	13,743
Bulk Terminal	--	--	8,570	--	--	--	9,699	--	--	--	--	--	3,410	827	4,285	26,791
Pipeline	--	--	2,427	--	--	--	4,854	--	--	--	--	--	4,221	574	507	12,583
Total	--	--	12,782	--	--	--	17,835	--	--	--	--	--	12,776	2,194	7,530	53,117
Finished Unleaded Motor Gasoline																
Refinery	7,259	189	7,448	4,102	908	1,853	6,863	1,179	8,934	4,534	1,013	114	15,774	1,285	5,870	37,240
Bulk Terminal	--	--	26,967	--	--	--	17,938	--	--	--	--	--	6,601	949	6,761	59,216
Pipeline	--	--	10,272	--	--	--	10,861	--	--	--	--	--	15,815	627	1,663	39,238
Total	--	--	44,687	--	--	--	35,662	--	--	--	--	--	38,190	2,861	14,294	135,694
Finished Aviation Gasoline																
Refinery	119	0	119	67	38	16	121	100	332	130	0	0	562	33	128	963
Bulk Terminal	--	--	377	--	--	--	523	--	--	--	--	--	47	21	302	1,270
Pipeline	--	--	0	--	--	--	51	--	--	--	--	--	47	0	0	98
Total	--	--	496	--	--	--	695	--	--	--	--	--	656	54	430	2,331

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	466	0	466	290	32	193	515	364	631	490	57	138	1,680	281	785	3,727
Bulk Terminal	--	--	893	--	--	--	577	--	--	--	--	--	549	6	575	2,600
Pipeline	--	--	202	--	--	--	235	--	--	--	--	--	604	143	445	1,629
Total	--	--	1,561	--	--	--	1,327	--	--	--	--	--	2,833	430	1,805	7,956
Kerosene-Type Jet Fuel																
Refinery	2,082	24	2,106	1,507	183	528	2,218	374	3,455	2,943	60	52	6,884	414	3,919	15,541
Bulk Terminal	--	--	4,208	--	--	--	3,583	--	--	--	--	--	1,661	240	2,519	12,211
Pipeline	--	--	3,977	--	--	--	3,061	--	--	--	--	--	6,174	182	827	14,221
Total	--	--	10,291	--	--	--	8,862	--	--	--	--	--	14,719	836	7,265	41,973
Kerosene																
Refinery	281	93	374	664	102	276	1,042	112	646	527	44	0	1,329	62	199	3,006
Bulk Terminal	--	--	2,793	--	--	--	1,418	--	--	--	--	--	233	30	41	4,515
Pipeline	--	--	170	--	--	--	247	--	--	--	--	--	490	0	19	926
Total	--	--	3,337	--	--	--	2,707	--	--	--	--	--	2,052	92	259	8,447
Distillate Fuel Oils																
Refinery	7,921	501	8,422	5,496	1,624	3,184	10,304	1,109	8,381	4,980	1,079	114	15,663	1,635	4,741	40,765
Bulk Terminal	--	--	37,177	--	--	--	16,298	--	--	--	--	--	5,985	878	5,371	65,709
Pipeline	--	--	8,155	--	--	--	8,040	--	--	--	--	--	9,862	585	1,362	28,004
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	4	3	0	0	7	0	0	7
Total	--	--	53,754	--	--	--	34,642	--	--	--	--	--	31,517	3,098	11,474	134,485
Residual Fuel Oils																
Refinery	3,187	67	3,254	1,465	285	226	1,976	272	3,724	2,355	209	17	6,577	387	6,252	18,446
Bulk Terminal	--	--	19,865	--	--	--	1,062	--	--	--	--	--	5,915	0	1,924	28,766
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	60	0	138	198
Total	--	--	23,119	--	--	--	3,038	--	--	--	--	--	12,552	387	8,314	47,410
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	358	0	358	326	0	81	407	64	1,012	287	8	10	1,381	29	162	2,337
Total	358	0	358	326	0	81	407	64	1,012	287	8	10	1,381	29	162	2,337
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	6	0	6	9	0	0	9	100	1,140	214	0	0	1,454	4	128	1,601
Total	6	0	6	9	0	0	9	100	1,140	214	0	0	1,454	4	128	1,601

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, December 31, 1987 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appa-lachi-an #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	581	46	627	209	0	102	311	87	1,154	56	190	0	1,487	7	155	2,587
Bulk Terminal	--	--	659	--	--	--	334	--	--	--	--	--	48	0	26	1,067
Total	--	--	1,286	--	--	--	645	--	--	--	--	--	1,535	7	181	3,654
Lubricants																
Refinery	321	816	1,137	918	0	204	1,122	26	4,233	1,352	433	0	6,044	108	953	9,364
Bulk Terminal	--	--	1,827	--	--	--	1,003	--	--	--	--	--	466	2	609	3,907
Total	--	--	2,964	--	--	--	2,125	--	--	--	--	--	6,510	110	1,562	13,271
Waxes																
Refinery	0	64	64	78	0	21	99	42	222	149	16	0	429	87	104	783
Total	--	--	64	--	--	--	99	--	--	--	--	--	429	87	104	783
Petroleum Coke																
Refinery	520	0	520	360	382	133	875	5	431	2,770	211	0	3,417	31	1,907	6,750
Total	520	0	520	360	382	133	875	5	431	2,770	211	0	3,417	31	1,907	6,750
Asphalt and Road Oil																
Refinery	1,186	229	1,415	2,367	1,174	1,088	4,629	600	850	596	1,166	150	3,362	1,371	2,165	12,942
Bulk Terminal	--	--	2,524	--	--	--	2,676	--	--	--	--	--	433	44	180	5,857
Total	--	--	3,939	--	--	--	7,305	--	--	--	--	--	3,795	1,415	2,345	18,799
Miscellaneous Products																
Refinery	136	44	180	172	14	14	200	52	476	320	1	0	849	20	251	1,500
Bulk Terminal	--	--	563	--	--	--	118	--	--	--	--	--	561	1	547	1,790
Pipeline	--	--	0	--	--	--	191	--	--	--	--	--	261	0	71	523
Natural Gas Processing Plant	0	0	0	0	0	0	0	25	0	1	2	0	28	0	0	28
Total	--	--	743	--	--	--	509	--	--	--	--	--	1,699	21	869	3,841
Total Stocks, All Oils	**--**	**--**	**198,360**	**--**	**--**	**--**	**244,226**	**--**	**--**	**--**	**--**	**--**	**954,054**	**29,334**	**181,477**	**1,607,451**

1 Includes 38,395 thousand barrels of domestic crude oil.
* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products By State, January 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**15,479**	**39,422**	**3,242**	**56,791**	**21,477**
Connecticut	464	1,054	231	2,419	412
Delaware, D.C., Maryland	627	1,985	111	3,932	2,134
Florida	2,187	4,109	259	1,755	1,297
Georgia	1,330	2,249	75	1,372	232
Maine, New Hampshire, Vermont	363	879	251	2,496	712
Massachusetts	428	1,630	134	3,799	1,635
New Jersey	2,635	10,201	350	18,776	8,114
New York	1,495	5,929	384	9,228	3,678
North Carolina	1,364	2,306	369	1,701	404
Pennsylvania	2,173	4,627	602	5,241	1,587
Rhode Island	204	468	w	2,115	w
South Carolina	678	1,277	127	921	w
Virginia	1,402	2,533	227	2,899	751
West Virginia	129	175	w	137	w
PAD District II Total	**17,982**	**25,506**	**2,102**	**24,833**	**2,848**
Illinois	2,995	5,226	343	4,558	1,038
Indiana	1,987	3,366	302	3,351	343
Iowa	991	1,155	w	1,356	w
Kansas, Nebraska	1,750	1,906	40	2,516	49
Kentucky	843	1,020	83	777	w
Michigan	1,715	2,730	255	1,996	137
Minnesota	1,404	1,372	w	1,921	216
Missouri	705	1,037	w	716	w
North & South Dakota	505	533	w	978	w
Ohio	2,002	3,060	658	2,263	277
Oklahoma	1,066	1,183	w	1,561	100
Tennessee	1,098	1,523	37	1,071	246
Wisconsin	921	1,395	w	1,769	92
PAD District III Total	**10,485**	**21,527**	**1,470**	**19,120**	**11,893**
Alabama	754	1,112	33	633	557
Arkansas	263	355	w	220	w
Louisiana	1,311	3,768	400	4,076	4,052
Mississippi	851	1,729	14	1,802	w
New Mexico	190	259	w	260	20
Texas	7,116	14,304	1,023	12,129	7,023
PAD District IV Total	**2,128**	**2,195**	**35**	**2,771**	**317**
Colorado	575	764	w	528	w
Idaho	196	103	w	131	w
Montana	735	527	w	824	76
Utah	275	263	w	491	121
Wyoming	347	538	w	797	w
PAD District V Total	**7,559**	**12,428**	**209**	**9,766**	**8,195**
Alaska	286	512	w	910	w
Arizona	379	415	w	228	w
California	3,890	7,860	138	5,314	5,811
Hawaii	94	461	w	489	w
Nevada	142	246	w	120	w
Oregon	1,007	865	w	933	245
Washington	1,761	2,069	w	1,772	991
United States Total	**53,633**	**101,078**	**7,058**	**113,281**	**44,730**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, February 28, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**14,171**	**35,791**	**2,668**	**42,392**	**17,401**
Connecticut	369	1,269	124	2,320	360
Delaware, D.C., Maryland	700	1,976	84	2,592	1,463
Florida	1,647	4,388	232	1,983	1,172
Georgia	1,510	2,119	73	1,414	247
Maine, New Hampshire, Vermont	301	949	178	1,718	543
Massachusetts	489	1,701	96	3,450	1,337
New Jersey	2,479	7,765	197	11,937	6,858
New York	1,362	5,008	363	5,987	2,306
North Carolina	1,097	2,081	323	1,495	209
Pennsylvania	1,873	4,230	557	4,257	1,569
Rhode Island	264	664	w	1,353	w
South Carolina	610	1,190	159	952	w
Virginia	1,314	2,282	201	2,771	764
West Virginia	156	169	w	163	w
PAD District II Total	**17,289**	**24,537**	**1,812**	**24,855**	**2,671**
Illinois	3,132	4,648	368	4,579	910
Indiana	2,002	3,397	268	2,980	363
Iowa	676	982	w	1,436	w
Kansas, Nebraska	2,168	1,758	39	2,539	66
Kentucky	707	1,081	73	833	w
Michigan	1,605	2,787	194	2,143	145
Minnesota	1,199	1,379	w	1,983	123
Missouri	666	935	w	817	w
North & South Dakota	482	446	w	1,220	w
Ohio	1,902	3,229	522	2,239	278
Oklahoma	1,007	1,337	w	1,348	116
Tennessee	852	1,259	79	1,007	211
Wisconsin	891	1,299	w	1,731	115
PAD District III Total	**11,653**	**22,604**	**1,675**	**20,481**	**10,364**
Alabama	747	1,073	38	738	504
Arkansas	254	396	w	227	w
Louisiana	1,576	3,415	357	4,585	4,144
Mississippi	848	1,678	14	1,877	w
New Mexico	212	269	w	231	21
Texas	8,016	15,773	1,266	12,823	5,495
PAD District IV Total	**2,141**	**2,220**	**103**	**2,853**	**301**
Colorado	645	721	w	401	w
Idaho	231	121	w	153	w
Montana	624	570	w	875	80
Utah	268	308	w	569	99
Wyoming	373	500	w	855	w
PAD District V Total	**6,979**	**12,907**	**267**	**9,713**	**7,285**
Alaska	297	454	w	863	w
Arizona	385	492	w	206	w
California	3,643	8,578	170	5,135	4,683
Hawaii	79	363	w	332	w
Nevada	147	236	w	179	w
Oregon	863	823	w	1,031	183
Washington	1,565	1,961	w	1,967	1,049
United States Total	**52,233**	**98,059**	**6,525**	**100,294**	**38,022**

(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**13,839**	**36,216**	**2,419**	**34,798**	**16,680**
Connecticut	429	1,329	49	1,806	353
Delaware, D.C., Maryland	548	1,485	106	1,774	1,592
Florida	1,599	4,557	218	1,761	1,225
Georgia	1,339	1,893	71	1,096	285
Maine, New Hampshire, Vermont	423	1,164	142	1,724	599
Massachusetts	531	1,790	79	3,148	1,600
New Jersey	2,813	9,271	152	8,917	5,910
New York	1,239	5,059	310	4,716	1,859
North Carolina	1,239	1,797	318	1,625	231
Pennsylvania	1,983	4,073	560	3,810	1,930
Rhode Island	125	811	w	1,083	w
South Carolina	523	1,114	159	801	w
Virginia	917	1,712	210	2,392	535
West Virginia	131	161	w	145	w
PAD District II Total	**15,304**	**25,346**	**1,795**	**22,611**	**3,065**
Illinois	2,536	4,848	261	3,639	987
Indiana	1,746	3,977	211	2,912	554
Iowa	559	985	w	1,362	w
Kansas, Nebraska	1,787	1,658	38	2,111	75
Kentucky	611	1,019	82	648	w
Michigan	1,435	2,580	179	2,048	171
Minnesota	985	1,534	w	2,001	173
Missouri	669	811	w	872	w
North & South Dakota	473	498	w	1,165	w
Ohio	1,743	3,439	513	1,925	300
Oklahoma	1,017	1,187	w	1,365	117
Tennessee	834	1,369	106	854	279
Wisconsin	909	1,441	w	1,709	109
PAD District III Total	**10,264**	**24,264**	**1,239**	**16,203**	**10,638**
Alabama	709	1,213	23	541	1,005
Arkansas	185	207	w	269	w
Louisiana	1,832	4,239	311	3,683	3,695
Mississippi	799	2,220	14	1,317	w
New Mexico	209	269	w	204	17
Texas	6,530	16,116	884	10,189	5,757
PAD District IV Total	**2,368**	**2,051**	**95**	**2,532**	**355**
Colorado	630	637	w	434	w
Idaho	214	98	w	164	w
Montana	742	547	w	754	76
Utah	341	313	w	449	111
Wyoming	441	456	w	731	w
PAD District V Total	**7,276**	**12,843**	**283**	**9,325**	**8,497**
Alaska	351	376	w	1,086	w
Arizona	366	470	w	199	w
California	3,840	8,336	139	5,018	5,922
Hawaii	109	448	w	354	w
Nevada	155	238	w	91	w
Oregon	857	1,021	w	968	233
Washington	1,598	1,954	w	1,609	1,303
United States Total	**49,051**	**100,720**	**5,831**	**85,469**	**39,235**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, April 30, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**12,980**	**36,282**	**2,572**	**30,831**	**15,591**
Connecticut	471	1,013	137	1,528	337
Delaware, D.C., Maryland	461	1,837	336	1,692	1,160
Florida	1,754	5,469	198	1,877	1,249
Georgia	1,184	1,820	60	1,030	164
Maine, New Hampshire, Vermont	376	869	176	1,339	557
Massachusetts	363	1,672	62	2,297	669
New Jersey	2,522	9,099	132	8,088	5,918
New York	973	4,869	250	3,755	2,735
North Carolina	1,186	1,745	305	1,263	224
Pennsylvania	1,746	3,983	546	3,952	1,554
Rhode Island	140	460	w	943	w
South Carolina	735	1,315	144	770	w
Virginia	901	1,976	189	2,177	555
West Virginia	168	155	w	120	w
PAD District II Total	**13,919**	**25,713**	**1,805**	**21,076**	**3,085**
Illinois	2,292	4,937	277	3,656	1,086
Indiana	1,607	4,365	240	2,848	594
Iowa	698	953	w	1,231	w
Kansas, Nebraska	1,388	1,832	38	1,935	52
Kentucky	724	969	102	704	w
Michigan	1,338	2,634	164	1,903	142
Minnesota	891	1,571	w	1,788	194
Missouri	558	922	w	695	w
North & South Dakota	339	519	w	952	w
Ohio	1,631	3,279	467	1,634	235
Oklahoma	825	1,403	w	1,623	100
Tennessee	906	1,252	92	576	246
Wisconsin	722	1,077	w	1,531	93
PAD District III Total	**9,224**	**22,525**	**1,458**	**15,524**	**9,281**
Alabama	710	1,007	32	517	831
Arkansas	243	159	w	207	w
Louisiana	1,347	3,928	263	3,388	3,141
Mississippi	807	2,105	10	1,071	w
New Mexico	170	271	w	178	10
Texas	5,947	15,055	1,142	10,163	5,030
PAD District IV Total	**2,152**	**1,993**	**59**	**2,211**	**400**
Colorado	604	687	w	302	w
Idaho	216	99	w	117	w
Montana	753	515	w	657	67
Utah	270	259	w	499	126
Wyoming	309	433	w	636	w
PAD District V Total	**6,546**	**13,663**	**394**	**8,493**	**7,385**
Alaska	337	625	w	1,024	w
Arizona	372	487	w	245	w
California	3,413	9,079	248	4,425	4,733
Hawaii	101	518	w	506	w
Nevada	74	188	w	136	w
Oregon	648	888	w	802	299
Washington	1,601	1,878	w	1,355	1,087
United States Total	**44,821**	**100,176**	**6,288**	**78,135**	**35,742**

(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,894**	**34,446**	**2,383**	**28,977**	**17,939**
Connecticut	318	900	119	1,479	117
Delaware, D.C., Maryland	398	1,617	278	1,847	1,260
Florida	1,704	5,287	120	1,734	1,292
Georgia	1,115	1,999	76	1,277	368
Maine, New Hampshire, Vermont	420	1,012	145	1,373	645
Massachusetts	280	1,433	76	2,404	985
New Jersey	1,603	7,693	127	5,775	7,978
New York	705	4,112	300	3,704	2,310
North Carolina	1,080	1,988	336	1,540	259
Pennsylvania	1,434	4,077	435	3,931	1,855
Rhode Island	121	550	w	994	w
South Carolina	700	1,317	144	794	w
Virginia	897	2,311	199	1,987	408
West Virginia	119	150	w	138	w
PAD District II Total	**13,117**	**24,899**	**1,788**	**21,768**	**2,837**
Illinois	2,623	4,687	235	3,749	956
Indiana	1,515	4,469	190	2,513	498
Iowa	606	910	w	1,308	w
Kansas, Nebraska	1,226	1,593	36	2,026	66
Kentucky	565	944	53	691	w
Michigan	1,382	2,861	149	2,054	161
Minnesota	687	1,294	w	1,705	172
Missouri	545	931	w	667	w
North & South Dakota	331	451	w	1,021	w
Ohio	1,271	2,685	605	1,696	257
Oklahoma	864	1,303	w	1,766	66
Tennessee	845	1,261	93	875	195
Wisconsin	657	1,510	w	1,697	99
PAD District III Total	**9,944**	**20,407**	**1,494**	**16,781**	**11,107**
Alabama	772	1,142	34	763	1,071
Arkansas	259	224	w	157	w
Louisiana	1,526	4,150	287	3,396	4,104
Mississippi	829	1,638	7	1,314	w
New Mexico	160	283	w	203	11
Texas	6,398	12,970	1,157	10,948	5,663
PAD District IV Total	**2,148**	**1,943**	**81**	**2,201**	**331**
Colorado	528	624	w	345	w
Idaho	205	98	w	126	w
Montana	792	484	w	698	74
Utah	265	274	w	444	140
Wyoming	358	463	w	588	w
PAD District V Total	**7,085**	**14,766**	**351**	**9,877**	**7,922**
Alaska	371	402	w	905	w
Arizona	365	570	w	345	w
California	4,214	10,184	254	5,207	5,047
Hawaii	98	412	w	454	w
Nevada	117	279	w	161	w
Oregon	543	860	w	1,043	267
Washington	1,377	2,059	w	1,762	1,293
United States Total	**43,188**	**96,461**	**6,097**	**79,604**	**40,136**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, June 30, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**11,293**	**35,474**	**2,110**	**31,796**	**19,223**
Connecticut	259	1,020	111	2,326	232
Delaware, D.C., Maryland	329	1,769	268	1,638	1,443
Florida	1,603	5,241	159	2,019	1,365
Georgia	1,173	2,137	45	1,225	244
Maine, New Hampshire, Vermont	355	871	108	1,424	277
Massachusetts	373	1,663	72	2,742	1,447
New Jersey	1,691	8,160	121	6,738	8,289
New York	1,003	3,966	201	3,869	2,876
North Carolina	1,145	1,821	287	1,541	353
Pennsylvania	1,694	4,635	370	4,158	1,702
Rhode Island	131	661	w	1,021	w
South Carolina	609	1,140	136	847	w
Virginia	824	2,243	212	2,100	675
West Virginia	104	147	w	148	w
PAD District II Total	**12,559**	**22,781**	**1,693**	**21,786**	**2,745**
Illinois	2,377	4,439	236	3,362	963
Indiana	1,363	3,263	184	2,519	478
Iowa	627	893	w	1,253	w
Kansas, Nebraska	1,439	1,437	36	1,717	48
Kentucky	560	964	63	800	w
Michigan	1,101	2,436	133	1,961	147
Minnesota	625	1,012	w	1,859	252
Missouri	697	955	w	701	w
North & South Dakota	263	304	w	1,070	w
Ohio	1,276	3,249	622	1,836	269
Oklahoma	863	1,285	w	2,088	82
Tennessee	820	1,429	86	1,065	162
Wisconsin	548	1,115	w	1,555	81
PAD District III Total	**9,650**	**21,526**	**1,370**	**18,018**	**11,574**
Alabama	663	1,155	91	768	666
Arkansas	225	252	w	170	w
Louisiana	1,461	4,092	260	3,619	4,388
Mississippi	892	1,763	15	1,493	w
New Mexico	155	216	w	175	8
Texas	6,254	14,048	996	11,793	6,003
PAD District IV Total	**1,755**	**1,711**	**66**	**2,093**	**367**
Colorado	549	612	w	269	w
Idaho	166	76	w	119	w
Montana	629	326	w	678	69
Utah	165	261	w	444	135
Wyoming	246	436	w	583	w
PAD District V Total	**7,260**	**15,220**	**311**	**9,474**	**7,281**
Alaska	403	486	w	698	w
Arizona	399	479	w	279	w
California	4,073	10,516	222	5,125	5,127
Hawaii	111	413	w	553	w
Nevada	146	331	w	146	w
Oregon	535	1,015	w	959	164
Washington	1,593	1,980	w	1,714	781
United States Total	**42,517**	**96,712**	**5,550**	**83,167**	**41,190**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, July 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**11,723**	**37,808**	**2,268**	**38,191**	**19,818**
Connecticut	318	1,281	16	3,328	127
Delaware, D.C., Maryland	374	2,222	235	1,958	1,065
Florida	1,574	5,047	215	1,998	1,430
Georgia	1,109	2,077	67	1,193	349
Maine, New Hampshire, Vermont	440	834	317	1,875	426
Massachusetts	415	1,995	62	3,137	1,415
New Jersey	1,728	9,458	109	9,876	9,136
New York	1,130	4,667	186	3,982	2,637
North Carolina	1,040	1,738	292	1,594	345
Pennsylvania	1,751	4,558	399	4,405	1,407
Rhode Island	300	454	w	1,394	w
South Carolina	515	1,117	141	881	w
Virginia	921	2,212	208	2,477	988
West Virginia	108	148	w	93	w
PAD District II Total	**11,603**	**21,362**	**1,548**	**22,665**	**2,878**
Illinois	2,325	4,361	243	4,166	1,066
Indiana	1,038	3,071	134	2,635	489
Iowa	617	801	w	1,065	w
Kansas, Nebraska	1,160	1,344	34	1,731	43
Kentucky	523	1,020	72	882	w
Michigan	963	2,164	124	2,083	177
Minnesota	702	1,056	w	1,878	234
Missouri	613	894	w	1,077	w
North & South Dakota	216	332	w	920	w
Ohio	1,192	2,599	649	1,944	177
Oklahoma	865	1,336	w	1,697	68
Tennessee	855	1,378	78	926	182
Wisconsin	534	1,006	w	1,661	109
PAD District III Total	**8,974**	**20,051**	**1,846**	**20,029**	**13,400**
Alabama	686	1,015	108	855	885
Arkansas	172	288	w	184	w
Louisiana	1,364	3,695	279	4,516	4,513
Mississippi	787	1,662	11	1,486	w
New Mexico	148	226	w	180	9
Texas	5,817	13,165	1,441	12,808	7,321
PAD District IV Total	**1,476**	**1,538**	**82**	**2,102**	**342**
Colorado	339	397	w	321	w
Idaho	147	100	w	125	w
Montana	500	444	w	690	76
Utah	212	237	w	497	111
Wyoming	278	360	w	469	w
PAD District V Total	**7,126**	**14,149**	**267**	**8,566**	**8,137**
Alaska	296	400	w	853	w
Arizona	358	437	w	233	w
California	4,199	9,878	171	4,606	5,200
Hawaii	132	520	w	398	w
Nevada	139	218	w	94	w
Oregon	491	838	w	715	341
Washington	1,511	1,858	w	1,667	1,263
United States Total	**40,902**	**94,908**	**6,011**	**91,553**	**44,575**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, August 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**11,221**	**36,612**	**2,401**	**44,027**	**21,250**
Connecticut	328	1,235	20	3,613	303
Delaware, D.C., Maryland	433	1,870	288	2,453	1,935
Florida	1,442	5,122	168	1,773	1,334
Georgia	1,022	2,031	59	1,097	154
Maine, New Hampshire, Vermont	364	1,130	295	2,209	566
Massachusetts	368	1,727	94	3,891	1,405
New Jersey	1,473	9,255	102	12,739	8,135
New York	1,058	4,052	317	5,084	4,091
North Carolina	1,065	1,777	285	1,853	269
Pennsylvania	1,663	4,196	407	4,377	1,751
Rhode Island	262	280	w	1,198	w
South Carolina	653	1,236	125	1,070	w
Virginia	959	2,533	221	2,543	868
West Virginia	131	168	w	127	w
PAD District II Total	**12,986**	**22,820**	**1,659**	**23,576**	**3,034**
Illinois	2,315	4,602	280	4,429	1,148
Indiana	1,625	3,347	122	2,912	534
Iowa	624	1,065	w	1,304	w
Kansas, Nebraska	1,360	1,761	30	1,795	44
Kentucky	545	1,080	87	970	w
Michigan	1,144	2,339	146	2,197	205
Minnesota	705	919	w	2,001	224
Missouri	546	952	w	806	w
North & South Dakota	295	338	w	755	w
Ohio	1,214	2,566	665	2,249	244
Oklahoma	1,067	1,342	w	1,470	86
Tennessee	819	1,380	74	966	204
Wisconsin	727	1,129	w	1,722	65
PAD District III Total	**8,661**	**19,641**	**2,048**	**21,550**	**12,068**
Alabama	621	1,043	155	888	781
Arkansas	275	322	w	258	w
Louisiana	1,313	4,047	415	5,069	4,191
Mississippi	842	1,846	13	2,145	w
New Mexico	154	219	w	262	16
Texas	5,456	12,164	1,457	12,928	6,698
PAD District IV Total	**1,561**	**1,652**	**75**	**2,119**	**418**
Colorado	387	516	w	402	w
Idaho	134	90	w	102	w
Montana	508	487	w	771	89
Utah	215	224	w	399	95
Wyoming	317	335	w	445	w
PAD District V Total	**6,611**	**14,056**	**259**	**8,833**	**8,656**
Alaska	345	457	w	694	w
Arizona	331	423	w	351	w
California	3,614	9,843	164	4,543	5,241
Hawaii	93	380	w	326	w
Nevada	92	253	w	174	w
Oregon	616	792	w	994	313
Washington	1,520	1,908	w	1,751	1,461
United States Total	**41,040**	**94,781**	**6,442**	**100,105**	**45,426**

w = Withheld to avoid disclosure of individual company data.

(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,842**	**33,662**	**2,655**	**45,991**	**21,186**
Connecticut	332	775	23	4,129	184
Delaware, D.C., Maryland	366	1,840	287	2,897	1,651
Florida	1,253	5,343	292	1,604	1,237
Georgia	1,018	1,955	86	1,231	226
Maine, New Hampshire, Vermont	310	1,063	262	2,078	949
Massachusetts	394	1,104	81	3,275	1,640
New Jersey	1,485	6,937	158	12,822	8,592
New York	1,236	3,421	292	6,312	3,269
North Carolina	1,101	1,966	334	1,902	410
Pennsylvania	1,635	4,468	456	5,263	1,609
Rhode Island	145	360	w	1,003	w
South Carolina	650	1,356	122	1,022	w
Virginia	784	2,905	238	2,329	919
West Virginia	133	169	w	124	w
PAD District II Total	**12,661**	**24,848**	**2,156**	**23,426**	**2,877**
Illinois	2,201	5,082	425	4,451	828
Indiana	1,720	3,360	302	3,185	577
Iowa	560	967	w	896	w
Kansas, Nebraska	1,258	1,486	28	1,708	56
Kentucky	621	1,159	99	888	w
Michigan	1,188	2,723	184	2,339	228
Minnesota	735	1,064	w	2,080	212
Missouri	322	873	w	724	w
North & South Dakota	293	500	w	650	w
Ohio	1,548	3,270	783	2,269	330
Oklahoma	802	1,528	w	1,635	106
Tennessee	718	1,501	59	788	193
Wisconsin	695	1,335	w	1,813	56
PAD District III Total	**9,005**	**22,728**	**1,889**	**21,024**	**10,838**
Alabama	604	1,190	181	1,006	764
Arkansas	234	257	w	343	w
Louisiana	1,560	3,826	531	4,601	3,751
Mississippi	836	1,831	14	1,493	w
New Mexico	169	257	w	260	17
Texas	5,602	15,367	1,155	13,321	5,822
PAD District IV Total	**1,747**	**1,826**	**70**	**2,251**	**437**
Colorado	430	654	w	363	w
Idaho	118	61	w	96	w
Montana	597	487	w	803	81
Utah	291	217	w	435	101
Wyoming	311	407	w	554	w
PAD District V Total	**7,013**	**14,203**	**266**	**9,383**	**8,780**
Alaska	419	406	w	807	w
Arizona	350	528	w	300	w
California	3,905	9,645	189	4,825	5,786
Hawaii	91	432	w	421	w
Nevada	85	269	w	142	w
Oregon	711	963	w	1,151	355
Washington	1,452	1,960	w	1,737	1,044
United States Total	**41,268**	**97,267**	**7,036**	**102,075**	**44,118**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, October 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**9,926**	**32,030**	**2,692**	**45,159**	**21,220**
Connecticut	346	1,022	94	3,694	247
Delaware, D.C., Maryland	279	1,661	267	2,894	1,784
Florida	1,190	5,421	190	2,016	1,313
Georgia	1,014	2,088	92	1,332	235
Maine, New Hampshire, Vermont	378	901	275	2,440	1,010
Massachusetts	216	970	142	3,553	1,907
New Jersey	1,447	6,372	115	11,697	9,192
New York	1,067	2,996	313	5,842	2,556
North Carolina	997	2,036	339	1,710	286
Pennsylvania	1,578	3,935	594	5,143	1,350
Rhode Island	155	447	w	1,242	w
South Carolina	551	1,368	98	1,043	w
Virginia	602	2,655	154	2,409	848
West Virginia	106	158	w	144	w
PAD District II Total	**11,471**	**22,903**	**2,363**	**20,023**	**2,502**
Illinois	2,307	4,057	396	3,134	697
Indiana	1,415	3,696	315	2,284	366
Iowa	577	740	w	809	w
Kansas, Nebraska	1,131	1,428	22	1,735	50
Kentucky	567	958	74	599	w
Michigan	1,038	2,438	263	2,154	201
Minnesota	582	1,101	w	1,703	187
Missouri	460	1,274	w	981	w
North & South Dakota	247	403	w	559	w
Ohio	1,163	2,921	837	1,965	259
Oklahoma	627	1,281	w	1,490	124
Tennessee	711	1,375	70	980	250
Wisconsin	646	1,231	w	1,630	54
PAD District III Total	**8,750**	**22,357**	**2,078**	**19,825**	**13,037**
Alabama	628	1,192	160	906	500
Arkansas	205	245	w	238	w
Louisiana	1,411	3,957	614	5,169	4,515
Mississippi	734	1,758	14	1,369	w
New Mexico	145	249	w	189	14
Texas	5,627	14,956	1,284	11,954	7,638
PAD District IV Total	**1,380**	**1,654**	**59**	**1,779**	**383**
Colorado	303	457	w	317	w
Idaho	119	79	w	110	w
Montana	466	510	w	673	81
Utah	247	235	w	278	94
Wyoming	245	373	w	401	w
PAD District V Total	**7,085**	**13,488**	**331**	**9,551**	**8,209**
Alaska	378	567	w	1,171	w
Arizona	386	514	w	292	w
California	3,916	8,859	187	4,797	5,641
Hawaii	117	484	w	432	w
Nevada	132	268	w	194	w
Oregon	678	925	w	1,051	217
Washington	1,478	1,871	w	1,614	1,023
United States Total	**38,612**	**92,432**	**7,523**	**96,337**	**45,351**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, November 30, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,577**	**34,197**	**3,341**	**44,327**	**23,017**
Connecticut	375	1,015	325	2,101	411
Delaware, D.C., Maryland	327	1,756	305	3,238	1,689
Florida	1,208	5,477	260	2,201	1,343
Georgia	958	2,051	113	1,344	163
Maine, New Hampshire, Vermont	313	862	265	2,007	894
Massachusetts	447	1,575	123	3,347	2,033
New Jersey	1,756	7,584	103	11,752	8,543
New York	1,108	3,443	297	5,907	4,451
North Carolina	1,094	1,810	408	1,702	410
Pennsylvania	1,643	4,344	713	5,111	1,466
Rhode Island	92	510	w	1,153	w
South Carolina	520	1,213	162	1,090	w
Virginia	625	2,421	238	3,231	988
West Virginia	111	136	w	143	w
PAD District II Total	**13,707**	**24,691**	**2,717**	**24,866**	**3,128**
Illinois	2,551	5,173	368	4,419	1,117
Indiana	1,852	3,284	446	3,277	399
Iowa	734	998	w	1,154	w
Kansas, Nebraska	1,317	1,859	26	2,219	73
Kentucky	786	881	121	918	w
Michigan	1,107	2,472	287	2,145	251
Minnesota	679	1,182	w	1,875	224
Missouri	550	966	w	939	w
North & South Dakota	308	606	w	911	w
Ohio	1,435	2,806	996	2,300	257
Oklahoma	907	1,441	w	2,117	171
Tennessee	752	1,396	84	1,010	263
Wisconsin	729	1,627	w	1,582	67
PAD District III Total	**7,492**	**21,928**	**1,972**	**20,928**	**13,378**
Alabama	596	1,149	128	934	682
Arkansas	144	342	w	228	w
Louisiana	1,319	4,233	530	4,680	5,270
Mississippi	646	2,156	12	1,728	w
New Mexico	142	257	w	230	16
Texas	4,645	13,791	1,298	13,128	7,111
PAD District IV Total	**1,482**	**1,929**	**72**	**2,160**	**373**
Colorado	269	548	w	413	w
Idaho	140	92	w	101	w
Montana	565	514	w	804	75
Utah	248	264	w	348	92
Wyoming	260	511	w	494	w
PAD District V Total	**7,271**	**13,275**	**266**	**9,694**	**9,809**
Alaska	378	534	w	1,073	w
Arizona	331	464	w	285	w
California	3,852	8,589	128	5,302	6,050
Hawaii	124	461	w	347	w
Nevada	146	283	w	188	w
Oregon	738	968	w	947	310
Washington	1,702	1,976	w	1,552	1,642
United States Total	**40,529**	**96,020**	**8,368**	**101,975**	**49,705**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, December 31, 1987
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,355**	**34,415**	**3,167**	**45,599**	**23,119**
Connecticut	448	1,331	172	1,995	334
Delaware, D.C., Maryland	329	1,944	232	2,555	1,516
Florida	1,216	5,227	258	1,853	1,115
Georgia	813	1,872	98	1,202	263
Maine, New Hampshire, Vermont	346	917	199	2,232	445
Massachusetts	340	1,111	96	3,367	2,028
New Jersey	1,466	7,683	178	13,611	9,311
New York	1,192	3,342	405	6,039	4,698
North Carolina	997	1,684	412	1,574	404
Pennsylvania	1,722	5,037	694	5,968	1,771
Rhode Island	120	551	w	1,269	w
South Carolina	564	1,240	195	983	w
Virginia	694	2,350	196	2,834	772
West Virginia	108	126	w	117	w
PAD District II Total	**12,981**	**24,801**	**2,460**	**26,602**	**3,038**
Illinois	2,533	5,101	315	4,420	1,081
Indiana	1,481	3,193	409	3,487	398
Iowa	699	1,083	w	1,277	w
Kansas, Nebraska	1,065	1,642	17	2,761	64
Kentucky	754	837	95	1,232	w
Michigan	1,104	2,690	229	2,507	139
Minnesota	816	1,307	w	1,951	273
Missouri	455	807	w	818	w
North & South Dakota	350	535	w	866	w
Ohio	1,452	3,248	903	2,621	259
Oklahoma	938	1,559	w	2,075	210
Tennessee	774	1,295	88	1,032	246
Wisconsin	560	1,504	w	1,555	64
PAD District III Total	**8,555**	**22,375**	**1,562**	**21,648**	**12,492**
Alabama	541	928	151	900	657
Arkansas	201	261	w	250	w
Louisiana	1,339	4,301	511	4,813	4,512
Mississippi	731	2,150	13	2,154	w
New Mexico	169	214	w	299	17
Texas	5,574	14,521	869	13,232	6,937
PAD District IV Total	**1,620**	**2,234**	**92**	**2,513**	**387**
Colorado	352	672	w	469	w
Idaho	214	150	w	188	w
Montana	462	591	w	770	80
Utah	261	274	w	434	95
Wyoming	331	547	w	652	w
PAD District V Total	**7,023**	**12,631**	**240**	**10,112**	**8,176**
Alaska	421	464	w	1,118	w
Arizona	298	406	w	256	w
California	3,626	8,531	134	5,418	5,954
Hawaii	101	406	w	453	w
Nevada	133	220	w	137	w
Oregon	813	794	w	1,101	193
Washington	1,631	1,810	w	1,629	952
United States Total	**40,534**	**96,456**	**7,521**	**106,474**	**47,212**

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, January 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**152**	**0**	**0**	**81**	**2,328**	**553**	**0**	**375**	**42,195**	**0**	**0**	**6,198**	**2,283**	**0**	**1,800**	**0**	**19,123**	**0**
Petroleum Products	**6,557**	**77**	**0**	**4,804**	**5,230**	**2,244**	**0**	**91,503**	**24,547**	**0**	**1,792**	**1,364**	**944**	**1,143**	**0**	**0**	**130**	**0**
Pentanes Plus	0	0	0	0	214	0	0	0	875	0	0	74	115	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,428	2,473	178	0	3,244	4,354	0	0	552	829	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	0	0	0	151	0	0	0	0	25	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,717	0	0	2,083	1,475	1,005	0	47,867	12,997	0	1,019	435	0	660	0	0	0	0
Finished Leaded Motor Gasoline	1,579	0	0	482	374	322	0	10,844	4,002	0	379	201	0	256	0	0	0	0
Finished Unleaded Motor Gasoline	3,138	0	0	1,601	1,101	683	0	37,023	8,995	0	640	234	0	404	0	0	0	0
Finished Aviation Gasoline	11	0	0	0	0	9	0	157	91	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	312	20	0	216	65	0	101	0	0	0	0
Kerosene-Type Jet Fuel	314	0	0	111	142	874	0	11,257	2,776	0	193	11	0	54	0	0	0	0
Kerosene	66	0	0	92	99	0	0	1,302	65	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,410	0	0	661	250	178	0	25,372	3,036	0	364	227	0	328	0	0	0	0
Residual Fuel Oil	0	0	0	102	564	0	0	988	9	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	30	40	0	33	0	0	0	10	0	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	13	0	0	196	74	0	0	0	0	0	0	0	0	0
Lubricants	9	37	0	134	0	0	0	550	190	0	0	0	0	0	0	0	130	0
Waxes	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	0	173	35	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	56	0	0	0	0	0	0	0	0	0	0
Total	**6,709**	**77**	**0**	**4,885**	**7,558**	**2,797**	**0**	**91,878**	**66,742**	**0**	**1,792**	**7,562**	**3,227**	**1,143**	**1,800**	**0**	**19,253**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, February 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**10**	**0**	**0**	**159**	**1,969**	**465**	**0**	**186**	**38,691**	**0**	**0**	**6,156**	**1,828**	**0**	**1,193**	**0**	**14,246**	**0**
Petroleum Products	**5,230**	**59**	**0**	**4,234**	**4,921**	**2,070**	**0**	**70,643**	**18,997**	**0**	**1,857**	**1,339**	**913**	**1,190**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	229	0	0	0	672	0	0	59	113	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,131	2,349	100	0	2,611	3,691	0	0	519	800	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	166	0	0	117	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	19	0	0	130	0	0	0	23	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	3,418	0	0	1,951	1,260	1,078	0	36,844	8,604	0	952	396	0	810	0	0	0	0
Finished Leaded Motor Gasoline	1,082	0	0	441	417	324	0	8,380	2,213	0	361	199	0	400	0	0	0	0
Finished Unleaded Motor Gasoline	2,336	0	0	1,510	843	754	0	28,464	6,391	0	591	197	0	410	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	13	0	131	100	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	386	71	0	290	47	0	92	0	0	0	0
Kerosene-Type Jet Fuel	320	0	0	303	124	751	0	8,918	2,650	0	137	0	0	82	0	0	0	0
Kerosene	59	0	0	76	95	0	0	1,029	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,376	0	0	529	350	128	0	19,150	2,377	0	316	318	0	206	0	0	0	0
Residual Fuel Oil	0	0	0	36	461	0	0	338	315	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	20	18	0	7	14	0	0	19	0	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	243	123	0	0	0	0	0	0	0	0	0
Lubricants	18	41	0	62	39	0	0	296	243	0	45	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	0	377	114	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	109	37	0	0	0	0	0	0	0	0	0
Total	**5,240**	**59**	**0**	**4,393**	**6,890**	**2,535**	**0**	**70,829**	**57,688**	**0**	**1,857**	**7,495**	**2,741**	**1,190**	**1,193**	**0**	**14,246**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, March 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**125**	**0**	**0**	**179**	**2,147**	**650**	**0**	**206**	**37,442**	**0**	**0**	**7,621**	**1,690**	**0**	**1,483**	**0**	**16,890**	**0**
Petroleum Products	**6,460**	**98**	**0**	**4,299**	**6,012**	**2,058**	**0**	**75,188**	**26,936**	**0**	**1,949**	**1,322**	**956**	**1,249**	**0**	**0**	**20**	**0**
Pentanes Plus	0	0	0	0	256	0	0	0	773	0	0	71	0	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	871	3,293	118	0	2,147	5,132	0	0	548	956	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	409	0	0	120	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	0	0	0	194	0	0	0	188	42	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,441	0	0	2,183	1,590	1,050	0	42,421	12,873	0	1,044	388	0	877	0	0	0	0
Finished Leaded Motor Gasoline	1,247	0	0	443	538	319	0	8,635	3,182	0	378	185	0	463	0	0	0	0
Finished Unleaded Motor Gasoline	3,194	0	0	1,740	1,052	731	0	33,786	9,691	0	666	203	0	414	0	0	0	0
Finished Aviation Gasoline	7	0	0	0	0	13	0	121	103	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	244	35	0	276	98	0	110	0	0	0	0
Kerosene-Type Jet Fuel	265	0	0	153	141	735	0	10,141	3,101	0	110	4	0	37	0	0	0	0
Kerosene	50	0	0	13	96	0	0	549	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,664	0	0	627	542	142	0	17,290	4,130	0	316	213	0	225	0	0	0	0
Residual Fuel Oil	0	0	0	68	85	0	0	395	32	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	23	0	0	30	0	0	0	24	29	0	0	0	0	0	0	0	0	0
Special Naphthas	0	1	0	0	0	0	0	405	124	0	0	0	0	0	0	0	0	0
Lubricants	10	97	0	94	9	0	0	594	428	0	83	0	0	0	0	0	20	0
Waxes	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	49	0	0	0	218	134	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	17	0	0	0	38	0	0	0	0	0	0	0	0	0	0
Total	**6,585**	**98**	**0**	**4,478**	**8,159**	**2,708**	**0**	**75,394**	**64,378**	**0**	**1,949**	**8,943**	**2,646**	**1,249**	**1,483**	**0**	**16,910**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**21**	**0**	**0**	**107**	**2,607**	**435**	**0**	**405**	**41,183**	**0**	**0**	**6,502**	**1,862**	**0**	**2,351**	**0**	**15,309**	**0**
Petroleum Products	**6,322**	**516**	**0**	**4,134**	**6,082**	**2,244**	**0**	**74,573**	**23,383**	**0**	**1,806**	**1,391**	**897**	**1,501**	**0**	**0**	**25**	**0**
Pentanes Plus	0	0	0	0	251	0	0	0	982	0	0	68	126	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	730	3,651	98	0	1,226	3,928	0	0	567	771	0	0	0	0	0
Unfinished Oils	0	327	0	0	0	0	0	339	38	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	54	67	0	163	0	0	0	0	33	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,491	0	0	2,220	1,506	1,146	0	46,211	11,932	0	882	480	0	1,041	0	0	0	0
Finished Leaded Motor Gasoline	1,384	0	0	549	447	344	0	9,978	2,944	0	339	224	0	551	0	0	0	0
Finished Unleaded Motor Gasoline	3,107	0	0	1,671	1,059	802	0	36,233	8,988	0	543	256	0	490	0	0	0	0
Finished Aviation Gasoline	10	0	0	0	0	9	0	210	72	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	558	74	0	308	19	0	91	0	0	0	0
Kerosene-Type Jet Fuel	193	0	0	146	117	772	0	8,653	2,168	0	101	4	0	56	0	0	0	0
Kerosene	16	0	0	14	99	0	0	234	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,546	0	0	578	341	219	0	15,412	3,274	0	515	253	0	313	0	0	0	0
Residual Fuel Oil	0	0	0	70	114	0	0	219	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	12	0	0	28	0	0	0	64	19	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	3	0	0	250	101	0	0	0	0	0	0	0	0	0
Lubricants	0	60	0	66	0	0	0	623	476	0	0	0	0	0	0	0	25	0
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	58	0	101	0	0	0	434	286	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	18	0	0	0	140	0	0	0	0	0	0	0	0	0	0
Total	**6,343**	**516**	**0**	**4,241**	**8,689**	**2,679**	**0**	**74,978**	**64,566**	**0**	**1,806**	**7,893**	**2,759**	**1,501**	**2,351**	**0**	**15,334**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, May 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**61**	**0**	**0**	**163**	**2,382**	**661**	**0**	**391**	**39,892**	**0**	**0**	**6,786**	**1,868**	**0**	**1,729**	**0**	**18,817**	**0**
Petroleum Products	**7,266**	**263**	**0**	**4,486**	**6,406**	**1,985**	**0**	**73,719**	**25,319**	**0**	**1,886**	**1,612**	**1,156**	**1,437**	**0**	**0**	**70**	**0**
Pentanes Plus	0	0	0	0	291	0	0	0	797	0	0	77	165	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	778	4,007	45	0	790	3,859	0	0	689	991	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	112	0	0	91	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	40	0	0	143	0	0	0	74	33	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,877	0	0	2,422	1,172	1,011	0	47,605	12,595	0	926	455	0	950	0	0	0	0
Finished Leaded Motor Gasoline	1,369	0	0	551	376	321	0	8,832	3,383	0	363	201	0	440	0	0	0	0
Finished Unleaded Motor Gasoline	3,508	0	0	1,871	796	690	0	38,773	9,212	0	563	254	0	510	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	13	0	43	157	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	341	40	0	296	68	0	89	0	0	0	0
Kerosene-Type Jet Fuel	215	0	0	241	84	691	0	8,717	2,602	0	133	5	0	53	0	0	0	0
Kerosene	11	0	0	15	100	0	0	83	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,061	0	0	653	404	225	0	14,443	4,377	0	367	318	0	345	0	0	0	0
Residual Fuel Oil	0	0	0	17	292	0	0	75	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	53	34	0	30	46	0	0	19	37	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	0	0	0	350	154	0	0	0	0	0	0	0	0	0
Lubricants	9	65	0	93	0	0	0	495	391	0	73	0	0	0	0	0	70	0
Waxes	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	132	0	94	10	0	0	492	277	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	28	0	0	0	0	0	78	0	0	0	0	0	0	0	0	0	0
Total	**7,327**	**263**	**0**	**4,649**	**8,788**	**2,646**	**0**	**74,110**	**65,211**	**0**	**1,886**	**8,398**	**3,024**	**1,437**	**1,729**	**0**	**18,887**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, June 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**44**	**0**	**0**	**169**	**2,165**	**621**	**0**	**391**	**40,753**	**0**	**0**	**6,779**	**2,020**	**0**	**1,831**	**0**	**18,034**	**0**
Petroleum Products	**7,274**	**286**	**0**	**4,328**	**6,067**	**2,108**	**0**	**73,421**	**25,074**	**0**	**1,780**	**1,548**	**1,043**	**1,472**	**0**	**0**	**40**	**0**
Pentanes Plus	0	0	0	0	242	0	0	0	397	0	0	70	135	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	583	3,382	26	0	958	3,548	0	0	628	908	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	92	0	0	70	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	0	42	0	143	0	0	0	146	76	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,019	0	0	2,507	1,449	1,072	0	47,361	12,227	0	890	530	0	972	0	0	0	0
Finished Leaded Motor Gasoline	1,366	0	0	591	473	335	0	8,696	3,545	0	331	264	0	485	0	0	0	0
Finished Unleaded Motor Gasoline	3,653	0	0	1,916	976	737	0	38,665	8,682	0	559	266	0	487	0	0	0	0
Finished Aviation Gasoline	14	0	0	0	0	16	0	224	97	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	458	15	0	280	52	0	117	0	0	0	0
Kerosene-Type Jet Fuel	176	0	0	212	208	721	0	8,894	3,035	0	137	5	0	69	0	0	0	0
Kerosene	5	0	0	0	100	0	0	62	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,009	0	0	495	489	273	0	13,606	4,466	0	341	263	0	314	0	0	0	0
Residual Fuel Oil	0	43	0	0	144	0	0	458	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	51	47	0	32	41	0	0	20	9	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	0	0	0	213	220	0	21	0	0	0	0	0	0	0
Lubricants	0	92	0	108	12	0	0	535	530	0	41	0	0	0	0	0	40	0
Waxes	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	58	0	248	0	0	0	318	454	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0
Total	**7,318**	**286**	**0**	**4,497**	**8,232**	**2,729**	**0**	**73,812**	**65,827**	**0**	**1,780**	**8,327**	**3,063**	**1,472**	**1,831**	**0**	**18,074**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, July 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**31**	**0**	**0**	**43**	**2,393**	**663**	**0**	**397**	**46,411**	**0**	**0**	**5,388**	**1,631**	**0**	**995**	**0**	**15,572**	**0**
Petroleum Products	**7,183**	**92**	**0**	**3,702**	**5,081**	**2,217**	**0**	**76,461**	**23,772**	**0**	**1,786**	**1,571**	**998**	**1,153**	**0**	**0**	**60**	**0**
Pentanes Plus	0	0	0	0	273	0	0	0	758	0	0	84	112	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	69	2,682	55	0	1,340	1,723	0	0	638	886	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	234	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	21	0	0	118	0	0	0	474	57	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,205	0	0	2,339	1,289	1,130	0	49,241	13,328	0	975	525	0	827	0	0	0	0
Finished Leaded Motor Gasoline	1,469	0	0	500	397	346	0	8,930	3,142	0	320	236	0	394	0	0	0	0
Finished Unleaded Motor Gasoline	3,736	0	0	1,839	892	784	0	40,311	10,186	0	655	289	0	433	0	0	0	0
Finished Aviation Gasoline	4	0	0	0	0	18	0	141	182	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	543	40	0	302	69	0	101	0	0	0	0
Kerosene-Type Jet Fuel	263	0	0	186	53	701	0	8,557	2,683	0	136	4	0	67	0	0	0	0
Kerosene	0	0	0	10	101	0	0	37	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,628	0	0	640	457	313	0	14,209	4,190	0	373	251	0	158	0	0	0	0
Residual Fuel Oil	0	0	0	0	207	0	0	128	39	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	53	0	0	42	19	0	0	9	12	0	0	0	0	0	0	0	0	0
Special Naphthas	0	2	0	0	0	0	0	415	59	0	0	0	0	0	0	0	0	0
Lubricants	9	90	0	81	0	0	0	487	183	0	0	0	0	0	0	0	60	0
Waxes	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	199	0	0	0	553	518	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	18	0	0	0	85	0	0	0	0	0	0	0	0	0	0
Total	**7,214**	**92**	**0**	**3,745**	**7,474**	**2,880**	**0**	**76,858**	**70,183**	**0**	**1,786**	**6,959**	**2,629**	**1,153**	**995**	**0**	**15,632**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, August 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**39**	**0**	**0**	**48**	**2,692**	**695**	**0**	**395**	**50,157**	**0**	**0**	**4,605**	**1,460**	**0**	**880**	**0**	**16,475**	**0**
Petroleum Products	**7,230**	**194**	**0**	**4,493**	**6,465**	**2,264**	**0**	**75,813**	**29,108**	**0**	**1,779**	**1,594**	**1,078**	**1,032**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	267	0	0	0	918	0	0	91	122	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	505	3,533	32	0	1,298	3,576	0	0	664	956	0	0	0	0	0
Unfinished Oils	0	66	0	0	0	0	0	105	0	0	8	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	29	0	0	84	21	0	0	203	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,998	0	0	2,416	1,527	1,258	0	45,439	15,316	0	918	487	0	667	0	0	0	0
Finished Leaded Motor Gasoline	1,242	0	0	498	471	409	0	8,086	4,400	0	314	239	0	322	0	0	0	0
Finished Unleaded Motor Gasoline	3,756	0	0	1,918	1,056	849	0	37,353	10,916	0	604	248	0	345	0	0	0	0
Finished Aviation Gasoline	14	0	0	0	0	22	0	195	146	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	491	24	0	267	70	0	91	0	0	0	0
Kerosene-Type Jet Fuel	158	0	0	222	168	690	0	9,065	3,266	0	149	5	0	46	0	0	0	0
Kerosene	0	0	0	15	99	0	0	288	72	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,932	0	0	604	484	262	0	16,349	4,765	0	364	277	0	228	0	0	0	0
Residual Fuel Oil	0	0	0	101	346	0	0	1,081	33	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	99	28	0	56	20	0	0	0	154	0	0	0	0	0	0	0	0	0
Special Naphthas	0	3	0	0	0	0	0	273	68	0	0	0	0	0	0	0	0	0
Lubricants	0	68	0	120	0	0	0	543	130	0	73	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	370	0	0	0	425	640	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	29	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0
Total	**7,269**	**194**	**0**	**4,541**	**9,157**	**2,959**	**0**	**76,208**	**79,265**	**0**	**1,779**	**6,199**	**2,538**	**1,032**	**880**	**0**	**16,475**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, September 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**92**	**2,214**	**615**	**0**	**409**	**46,799**	**0**	**0**	**4,697**	**1,365**	**0**	**694**	**0**	**14,561**	**0**
Petroleum Products	**7,039**	**87**	**0**	**3,975**	**6,071**	**2,237**	**0**	**74,427**	**29,580**	**0**	**1,798**	**1,436**	**905**	**1,144**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	255	0	0	0	952	0	0	86	103	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	783	3,513	123	0	2,023	4,789	0	0	594	802	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	184	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	39	0	0	126	0	0	0	194	24	0	22	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,674	0	0	2,073	1,201	1,097	0	43,118	13,942	0	910	436	0	758	0	0	0	0
Finished Leaded Motor Gasoline	1,109	0	0	466	454	330	0	7,411	3,479	0	296	216	0	414	0	0	0	0
Finished Unleaded Motor Gasoline	3,565	0	0	1,607	747	767	0	35,707	10,463	0	614	220	0	344	0	0	0	0
Finished Aviation Gasoline	7	0	0	0	0	22	0	215	106	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	423	1	0	247	96	0	110	0	0	0	0
Kerosene-Type Jet Fuel	355	0	0	144	168	750	0	10,770	2,329	0	216	5	0	39	0	0	0	0
Kerosene	6	0	0	22	99	0	0	252	34	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,879	0	0	542	454	245	0	15,369	6,163	0	328	219	0	237	0	0	0	0
Residual Fuel Oil	0	0	0	0	296	0	0	672	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	79	18	0	40	0	0	0	7	15	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	30	0	0	192	175	0	0	0	0	0	0	0	0	0
Lubricants	0	51	0	46	9	0	0	538	424	0	75	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	199	46	0	0	424	468	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	14	0	0	0	0	0	39	158	0	0	0	0	0	0	0	0	0
Total	**7,039**	**87**	**0**	**4,067**	**8,285**	**2,852**	**0**	**74,836**	**76,379**	**0**	**1,798**	**6,133**	**2,270**	**1,144**	**694**	**0**	**14,561**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, October 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**176**	**2,216**	**584**	**0**	**205**	**45,468**	**0**	**0**	**5,595**	**1,620**	**0**	**1,283**	**0**	**15,160**	**0**
Petroleum Products	**7,441**	**62**	**0**	**4,305**	**6,327**	**2,077**	**0**	**82,960**	**31,299**	**0**	**1,876**	**1,332**	**1,011**	**1,032**	**0**	**0**	**40**	**0**
Pentanes Plus	0	0	0	0	248	0	0	0	944	0	0	77	117	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	736	3,572	64	0	2,407	6,014	0	0	542	894	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	139	44	0	108	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	40	0	0	174	0	0	0	146	67	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,771	0	0	2,140	1,430	1,034	0	46,389	15,001	0	916	399	0	748	0	0	0	0
Finished Leaded Motor Gasoline	1,219	0	0	412	425	260	0	8,119	3,611	0	325	167	0	408	0	0	0	0
Finished Unleaded Motor Gasoline	3,552	0	0	1,728	1,005	774	0	38,270	11,390	0	591	232	0	340	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	18	0	209	120	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	703	0	0	295	76	0	101	0	0	0	0
Kerosene-Type Jet Fuel	320	0	0	210	45	705	0	11,236	3,396	0	178	4	0	42	0	0	0	0
Kerosene	58	0	0	41	100	0	0	814	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,170	0	0	639	537	256	0	19,332	4,772	0	355	234	0	141	0	0	0	0
Residual Fuel Oil	0	0	0	19	327	0	0	385	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	82	9	0	25	0	0	0	23	13	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	277	144	0	0	0	0	0	0	0	0	0
Lubricants	0	38	0	92	19	0	0	553	320	0	24	0	0	0	0	0	40	0
Waxes	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	229	49	0	0	306	464	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	15	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0
Total	**7,441**	**62**	**0**	**4,481**	**8,543**	**2,661**	**0**	**83,165**	**76,767**	**0**	**1,876**	**6,927**	**2,631**	**1,032**	**1,283**	**0**	**15,200**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, November 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**187**	**1,892**	**681**	**0**	**202**	**43,496**	**0**	**0**	**6,167**	**1,819**	**0**	**350**	**0**	**19,469**	**0**
Petroleum Products	**7,095**	**147**	**0**	**4,611**	**5,927**	**2,242**	**0**	**82,949**	**31,633**	**0**	**1,818**	**1,424**	**997**	**1,390**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	217	0	0	0	1,055	0	0	75	136	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,194	3,637	114	0	2,309	6,607	0	0	512	861	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	160	0	0	106	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	0	0	147	0	0	0	176	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,595	0	0	2,204	1,223	1,035	0	44,276	12,981	0	910	437	0	933	0	0	0	0
Finished Leaded Motor Gasoline	1,109	0	0	454	354	290	0	7,326	3,091	0	280	202	0	520	0	0	0	0
Finished Unleaded Motor Gasoline	3,486	0	0	1,750	869	745	0	36,950	9,890	0	630	235	0	413	0	0	0	0
Finished Aviation Gasoline	12	0	0	0	0	9	0	146	49	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	746	0	0	274	123	0	81	0	0	0	0
Kerosene-Type Jet Fuel	302	0	0	156	168	827	0	10,707	3,595	0	103	4	0	76	0	0	0	0
Kerosene	47	0	0	28	99	0	0	1,223	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,040	0	0	714	404	257	0	21,030	6,328	0	360	273	0	300	0	0	0	0
Residual Fuel Oil	0	0	0	24	170	0	0	1,145	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	89	18	0	20	0	0	0	19	18	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	261	185	0	0	0	0	0	0	0	0	0
Lubricants	0	115	0	37	9	0	0	540	498	0	65	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	87	0	0	0	180	227	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	14	0	0	0	0	0	29	90	0	0	0	0	0	0	0	0	0
Total	**7,095**	**147**	**0**	**4,798**	**7,819**	**2,923**	**0**	**83,151**	**75,129**	**0**	**1,818**	**7,591**	**2,816**	**1,390**	**350**	**0**	**19,469**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 1987
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to		From V to	
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**209**	**2,286**	**715**	**0**	**227**	**45,245**	**0**	**0**	**5,759**	**2,022**	**0**	**2,293**	**0**	**20,179**	**0**
Petroleum Products	**7,115**	**99**	**0**	**4,411**	**7,013**	**1,880**	**0**	**89,614**	**28,392**	**0**	**1,753**	**1,375**	**1,241**	**1,313**	**0**	**0**	**40**	**0**
Pentanes Plus	0	0	0	0	216	0	0	0	1,375	0	0	75	141	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,043	3,997	199	0	2,868	6,375	0	0	547	1,100	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	153	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	50	0	0	158	0	0	0	39	15	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,756	0	0	2,043	1,389	821	0	46,412	11,415	0	959	391	0	914	0	0	0	0
Finished Leaded Motor Gasoline	1,115	0	0	384	400	184	0	7,120	2,460	0	314	170	0	413	0	0	0	0
Finished Unleaded Motor Gasoline	3,641	0	0	1,659	989	637	0	39,292	8,955	0	645	221	0	501	0	0	0	0
Finished Aviation Gasoline	9	0	0	0	0	9	0	210	112	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	137	0	0	336	0	0	273	130	0	101	0	0	0	0
Kerosene-Type Jet Fuel	303	0	0	188	89	682	0	11,105	3,652	0	101	6	0	56	0	0	0	0
Kerosene	74	0	0	42	99	0	0	1,075	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,823	0	0	588	452	169	0	25,810	4,702	0	340	226	0	242	0	0	0	0
Residual Fuel Oil	0	0	0	51	607	0	0	217	0	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	92	0	0	25	27	0	0	0	22	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	184	159	0	13	0	0	0	0	0	0	0
Lubricants	8	74	0	100	0	0	0	458	411	0	67	0	0	0	0	0	40	0
Waxes	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	164	0	0	0	652	154	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	25	0	9	0	0	0	86	0	0	0	0	0	0	0	0	0	0
Total	**7,115**	**99**	**0**	**4,620**	**9,299**	**2,595**	**0**	**89,841**	**73,637**	**0**	**1,753**	**7,134**	**3,263**	**1,313**	**2,293**	**0**	**20,219**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**52**	**2,328**	**553**	**0**	**42,133**	**0**	**0**	**6,198**	**2,283**	**0**	**830**	**0**
Petroleum Products	**6,499**	**0**	**3,159**	**4,653**	**2,244**	**73,925**	**21,374**	**0**	**1,792**	**1,364**	**944**	**1,143**	**0**	**0**
Pentanes Plus	0	0	0	214	0	0	875	0	0	74	115	0	0	0
Liquefied Petroleum Gases	0	0	1,428	2,473	178	2,884	4,354	0	0	552	829	0	0	0
Blending Components														
Motor Gasoline	0	0	151	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,717	0	1,326	1,475	1,005	39,010	11,186	0	1,019	435	0	660	0	0
Finished Leaded Motor Gasoline	1,579	0	316	374	322	9,081	3,343	0	379	201	0	256	0	0
Finished Unleaded Motor Gasoline	3,138	0	1,010	1,101	683	29,929	7,843	0	640	234	0	404	0	0
Finished Aviation Gasoline	11	0	0	0	9	40	91	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	142	20	0	216	65	0	101	0	0
Kerosene-Type Jet Fuel	314	0	111	142	874	9,342	2,463	0	193	11	0	54	0	0
Kerosene	66	0	0	99	0	1,234	65	0	0	0	0	0	0	0
Distillate Fuel Oil	1,391	0	143	250	178	21,273	2,320	0	364	227	0	328	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,499**	**0**	**3,211**	**6,981**	**2,797**	**73,925**	**63,507**	**0**	**1,792**	**7,562**	**3,227**	**1,143**	**830**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, February 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**24**	**1,969**	**465**	**0**	**38,691**	**0**	**0**	**6,156**	**1,828**	**0**	**341**	**0**
Petroleum Products	**5,164**	**0**	**2,689**	**4,389**	**2,070**	**56,416**	**16,001**	**0**	**1,695**	**1,339**	**913**	**1,190**	**0**	**0**
Pentanes Plus	0	0	0	229	0	0	672	0	0	59	113	0	0	0
Liquefied Petroleum Gases	0	0	1,131	2,331	100	2,373	3,691	0	0	519	800	0	0	0
Blending Components														
Motor Gasoline	0	0	130	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	3,418	0	1,186	1,260	1,078	29,009	7,532	0	952	396	0	810	0	0
Finished Leaded Motor Gasoline	1,082	0	231	417	324	6,688	1,913	0	361	199	0	400	0	0
Finished Unleaded Motor Gasoline	2,336	0	955	843	754	22,321	5,619	0	591	197	0	410	0	0
Finished Aviation Gasoline	0	0	0	0	13	15	93	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	160	71	0	290	47	0	92	0	0
Kerosene-Type Jet Fuel	320	0	135	124	751	7,337	2,302	0	137	0	0	82	0	0
Kerosene	59	0	0	95	0	1,011	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,367	0	107	350	128	16,511	1,640	0	316	318	0	206	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**5,164**	**0**	**2,713**	**6,358**	**2,535**	**56,416**	**54,692**	**0**	**1,695**	**7,495**	**2,741**	**1,190**	**341**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**70**	**2,147**	**650**	**0**	**37,442**	**0**	**0**	**7,621**	**1,690**	**0**	**258**	**0**
Petroleum Products	**6,413**	**0**	**2,542**	**5,918**	**2,058**	**60,795**	**22,609**	**0**	**1,746**	**1,322**	**956**	**1,249**	**0**	**0**
Pentanes Plus	0	0	0	256	0	0	773	0	0	71	0	0	0	0
Liquefied Petroleum Gases	0	0	871	3,293	118	1,895	5,132	0	0	548	956	0	0	0
Blending Components														
Motor Gasoline	0	0	194	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,433	0	1,194	1,590	1,050	34,765	10,986	0	1,044	388	0	877	0	0
Finished Leaded Motor Gasoline	1,247	0	217	538	319	7,220	2,469	0	378	185	0	463	0	0
Finished Unleaded Motor Gasoline	3,186	0	977	1,052	731	27,545	8,517	0	666	203	0	414	0	0
Finished Aviation Gasoline	7	0	0	0	13	40	96	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	244	35	0	276	98	0	110	0	0
Kerosene-Type Jet Fuel	265	0	90	141	735	8,262	2,753	0	110	4	0	37	0	0
Kerosene	50	0	0	96	0	549	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,658	0	193	542	142	15,040	2,834	0	316	213	0	225	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,413**	**0**	**2,612**	**8,065**	**2,708**	**60,795**	**60,051**	**0**	**1,746**	**8,943**	**2,646**	**1,249**	**258**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**29**	**2,607**	**435**	**0**	**41,183**	**0**	**0**	**6,502**	**1,862**	**0**	**501**	**0**
Petroleum Products	**6,256**	**0**	**2,330**	**5,956**	**2,244**	**56,958**	**19,366**	**0**	**1,609**	**1,391**	**897**	**1,501**	**0**	**0**
Pentanes Plus	0	0	0	251	0	0	982	0	0	68	126	0	0	0
Liquefied Petroleum Gases	0	0	730	3,642	98	895	3,928	0	0	567	771	0	0	0
Blending Components														
Motor Gasoline	0	0	163	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,491	0	1,264	1,506	1,146	36,514	9,953	0	882	480	0	1,041	0	0
Finished Leaded Motor Gasoline	1,384	0	240	447	344	7,940	2,284	0	339	224	0	551	0	0
Finished Unleaded Motor Gasoline	3,107	0	1,024	1,059	802	28,574	7,669	0	543	256	0	490	0	0
Finished Aviation Gasoline	10	0	0	0	9	67	68	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	197	74	0	308	19	0	91	0	0
Kerosene-Type Jet Fuel	193	0	73	117	772	6,476	1,952	0	101	4	0	56	0	0
Kerosene	16	0	0	99	0	215	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,546	0	100	341	219	12,594	2,409	0	318	253	0	313	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,256**	**0**	**2,359**	**8,563**	**2,679**	**56,958**	**60,549**	**0**	**1,609**	**7,893**	**2,759**	**1,501**	**501**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**41**	**2,382**	**661**	**0**	**39,892**	**0**	**0**	**6,786**	**1,868**	**0**	**503**	**0**
Petroleum Products	**7,148**	**0**	**2,688**	**6,036**	**1,985**	**59,331**	**21,664**	**0**	**1,722**	**1,612**	**1,156**	**1,437**	**0**	**0**
Pentanes Plus	0	0	0	291	0	0	797	0	0	77	165	0	0	0
Liquefied Petroleum Gases	0	0	778	3,985	45	649	3,859	0	0	689	991	0	0	0
Blending Components														
Motor Gasoline	0	0	143	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,877	0	1,508	1,172	1,011	38,890	10,917	0	926	455	0	950	0	0
Finished Leaded Motor Gasoline	1,369	0	327	376	321	7,220	2,810	0	363	201	0	440	0	0
Finished Unleaded Motor Gasoline	3,508	0	1,181	796	690	31,670	8,107	0	563	254	0	510	0	0
Finished Aviation Gasoline	0	0	0	0	13	16	133	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	179	40	0	296	68	0	89	0	0
Kerosene-Type Jet Fuel	215	0	129	84	691	7,305	2,474	0	133	5	0	53	0	0
Kerosene	11	0	0	100	0	83	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,045	0	130	404	225	12,209	3,444	0	367	318	0	345	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,148**	**0**	**2,729**	**8,418**	**2,646**	**59,331**	**61,556**	**0**	**1,722**	**8,398**	**3,024**	**1,437**	**503**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**39**	**2,165**	**621**	**0**	**40,753**	**0**	**0**	**6,779**	**2,020**	**0**	**903**	**0**
Petroleum Products	**7,213**	**0**	**2,384**	**5,860**	**2,108**	**59,442**	**20,663**	**0**	**1,648**	**1,548**	**1,043**	**1,472**	**0**	**0**
Pentanes Plus	0	0	0	242	0	0	397	0	0	70	135	0	0	0
Liquefied Petroleum Gases	0	0	583	3,372	26	787	3,548	0	0	628	908	0	0	0
Blending Components														
Motor Gasoline	0	0	143	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,009	0	1,395	1,449	1,072	39,561	10,288	0	890	530	0	972	0	0
Finished Leaded Motor Gasoline	1,366	0	306	473	335	7,371	2,863	0	331	264	0	485	0	0
Finished Unleaded Motor Gasoline	3,643	0	1,089	976	737	32,190	7,425	0	559	266	0	487	0	0
Finished Aviation Gasoline	14	0	0	0	16	69	91	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	236	15	0	280	52	0	117	0	0
Kerosene-Type Jet Fuel	176	0	102	208	721	7,552	2,675	0	137	5	0	69	0	0
Kerosene	5	0	0	100	0	62	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,009	0	161	489	273	11,175	3,649	0	341	263	0	314	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,213**	**0**	**2,423**	**8,025**	**2,729**	**59,442**	**61,416**	**0**	**1,648**	**8,327**	**3,063**	**1,472**	**903**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, July 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**43**	**2,393**	**663**	**0**	**46,411**	**0**	**0**	**5,388**	**1,631**	**0**	**179**	**0**
Petroleum Products	**7,100**	**0**	**1,826**	**4,837**	**2,217**	**60,323**	**19,323**	**0**	**1,786**	**1,571**	**998**	**1,153**	**0**	**0**
Pentanes Plus	0	0	0	273	0	0	758	0	0	84	112	0	0	0
Liquefied Petroleum Gases	0	0	69	2,664	55	1,164	1,723	0	0	638	886	0	0	0
Blending Components														
Motor Gasoline	0	0	118	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,205	0	1,361	1,289	1,130	40,103	11,045	0	975	525	0	827	0	0
Finished Leaded Motor Gasoline	1,469	0	290	397	346	7,660	2,346	0	320	236	0	394	0	0
Finished Unleaded Motor Gasoline	3,736	0	1,071	892	784	32,443	8,699	0	655	289	0	433	0	0
Finished Aviation Gasoline	4	0	0	0	18	28	176	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	313	40	0	302	69	0	101	0	0
Kerosene-Type Jet Fuel	263	0	76	53	701	7,159	2,327	0	136	4	0	67	0	0
Kerosene	0	0	0	101	0	37	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,628	0	202	457	313	11,519	3,254	0	373	251	0	158	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,100**	**0**	**1,869**	**7,230**	**2,880**	**60,323**	**65,734**	**0**	**1,786**	**6,959**	**2,629**	**1,153**	**179**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**48**	**2,692**	**695**	**0**	**50,157**	**0**	**0**	**4,605**	**1,460**	**0**	**226**	**0**
Petroleum Products	**7,102**	**0**	**2,236**	**6,068**	**2,264**	**59,445**	**24,660**	**0**	**1,698**	**1,594**	**1,078**	**1,032**	**0**	**0**
Pentanes Plus	0	0	0	267	0	0	918	0	0	91	122	0	0	0
Liquefied Petroleum Gases	0	0	505	3,523	32	1,098	3,576	0	0	664	956	0	0	0
Blending Components														
Motor Gasoline	0	0	84	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,998	0	1,400	1,527	1,258	36,437	13,323	0	918	487	0	667	0	0
Finished Leaded Motor Gasoline	1,242	0	251	471	409	6,632	3,878	0	314	239	0	322	0	0
Finished Unleaded Motor Gasoline	3,756	0	1,149	1,056	849	29,805	9,445	0	604	248	0	345	0	0
Finished Aviation Gasoline	14	0	0	0	22	61	140	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	262	24	0	267	70	0	91	0	0
Kerosene-Type Jet Fuel	158	0	113	168	690	7,440	2,867	0	149	5	0	46	0	0
Kerosene	0	0	0	99	0	288	72	0	0	0	0	0	0	0
Distillate Fuel Oil	1,932	0	134	484	262	13,859	3,740	0	364	277	0	228	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,102**	**0**	**2,284**	**8,760**	**2,959**	**59,445**	**74,817**	**0**	**1,698**	**6,199**	**2,538**	**1,032**	**226**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**33**	**2,214**	**615**	**0**	**46,799**	**0**	**0**	**4,697**	**1,365**	**0**	**149**	**0**
Petroleum Products	**6,921**	**0**	**2,182**	**5,681**	**2,237**	**59,478**	**24,607**	**0**	**1,701**	**1,436**	**905**	**1,144**	**0**	**0**
Pentanes Plus	0	0	0	255	0	0	952	0	0	86	103	0	0	0
Liquefied Petroleum Gases	0	0	783	3,504	123	1,870	4,789	0	0	594	802	0	0	0
Blending Components														
Motor Gasoline	0	0	126	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,674	0	938	1,201	1,097	34,735	11,764	0	910	436	0	758	0	0
Finished Leaded Motor Gasoline	1,109	0	122	454	330	6,069	2,934	0	296	216	0	414	0	0
Finished Unleaded Motor Gasoline	3,565	0	816	747	767	28,666	8,830	0	614	220	0	344	0	0
Finished Aviation Gasoline	7	0	0	0	22	30	100	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	202	1	0	247	96	0	110	0	0
Kerosene-Type Jet Fuel	355	0	83	168	750	9,284	2,061	0	216	5	0	39	0	0
Kerosene	6	0	0	99	0	182	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,879	0	252	454	245	13,175	4,940	0	328	219	0	237	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,921**	**0**	**2,215**	**7,895**	**2,852**	**59,478**	**71,406**	**0**	**1,701**	**6,133**	**2,270**	**1,144**	**149**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**29**	**2,216**	**584**	**0**	**45,468**	**0**	**0**	**5,595**	**1,620**	**0**	**228**	**0**
Petroleum Products	**7,311**	**0**	**2,209**	**5,923**	**2,077**	**67,244**	**26,932**	**0**	**1,744**	**1,332**	**1,011**	**1,032**	**0**	**0**
Pentanes Plus	0	0	0	248	0	0	944	0	0	77	117	0	0	0
Liquefied Petroleum Gases	0	0	736	3,563	64	2,181	5,981	0	0	542	894	0	0	0
Blending Components														
Motor Gasoline	0	0	174	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,771	0	1,030	1,430	1,034	37,633	13,278	0	916	399	0	748	0	0
Finished Leaded Motor Gasoline	1,219	0	167	425	260	6,791	3,073	0	325	167	0	408	0	0
Finished Unleaded Motor Gasoline	3,552	0	863	1,005	774	30,842	10,205	0	591	232	0	340	0	0
Finished Aviation Gasoline	0	0	0	0	18	32	97	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	342	0	0	295	76	0	101	0	0
Kerosene-Type Jet Fuel	320	0	105	45	705	9,603	2,860	0	178	4	0	42	0	0
Kerosene	58	0	0	100	0	807	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,162	0	164	537	256	16,646	3,772	0	355	234	0	141	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,311**	**0**	**2,238**	**8,139**	**2,661**	**67,244**	**72,400**	**0**	**1,744**	**6,927**	**2,631**	**1,032**	**228**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**37**	**1,892**	**681**	**0**	**43,496**	**0**	**0**	**6,167**	**1,819**	**0**	**1,811**	**0**
Petroleum Products	**6,980**	**0**	**2,669**	**5,738**	**2,242**	**67,883**	**27,146**	**0**	**1,647**	**1,424**	**997**	**1,390**	**0**	**0**
Pentanes Plus	0	0	0	217	0	0	1,055	0	0	75	136	0	0	0
Liquefied Petroleum Gases	0	0	1,194	3,627	114	2,095	6,591	0	0	512	861	0	0	0
Blending Components														
Motor Gasoline	0	0	147	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,595	0	1,096	1,223	1,035	36,220	11,247	0	910	437	0	933	0	0
Finished Leaded Motor Gasoline	1,109	0	172	354	290	6,384	2,576	0	280	202	0	520	0	0
Finished Unleaded Motor Gasoline	3,486	0	924	869	745	29,836	8,671	0	630	235	0	413	0	0
Finished Aviation Gasoline	12	0	0	0	9	19	49	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	298	0	0	274	123	0	81	0	0
Kerosene-Type Jet Fuel	302	0	73	168	827	9,449	3,222	0	103	4	0	76	0	0
Kerosene	47	0	0	99	0	1,166	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,024	0	159	404	257	18,636	4,982	0	360	273	0	300	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,980**	**0**	**2,706**	**7,630**	**2,923**	**67,883**	**70,642**	**0**	**1,647**	**7,591**	**2,816**	**1,390**	**1,811**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 1987
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**7**	**2,286**	**715**	**0**	**45,245**	**0**	**0**	**5,759**	**2,022**	**0**	**1,313**	**0**
Petroleum Products	**6,911**	**0**	**2,488**	**6,379**	**1,880**	**74,334**	**23,570**	**0**	**1,673**	**1,375**	**1,241**	**1,313**	**0**	**0**
Pentanes Plus	0	0	0	216	0	0	1,375	0	0	75	141	0	0	0
Liquefied Petroleum Gases	0	0	1,043	3,997	199	2,529	6,375	0	0	547	1,100	0	0	0
Blending Components														
Motor Gasoline	0	0	158	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,756	0	1,011	1,389	821	37,976	9,300	0	959	391	0	914	0	0
Finished Leaded Motor Gasoline	1,115	0	149	400	184	6,120	1,901	0	314	170	0	413	0	0
Finished Unleaded Motor Gasoline	3,641	0	862	989	637	31,856	7,399	0	645	221	0	501	0	0
Finished Aviation Gasoline	9	0	0	0	9	71	90	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	137	0	155	0	0	273	130	0	101	0	0
Kerosene-Type Jet Fuel	303	0	105	89	682	9,774	3,129	0	101	6	0	56	0	0
Kerosene	74	0	0	99	0	1,014	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,769	0	171	452	169	22,815	3,301	0	340	226	0	242	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6,911**	**0**	**2,495**	**8,665**	**2,595**	**74,334**	**68,815**	**0**	**1,673**	**7,134**	**3,263**	**1,313**	**1,313**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**152**	**0**	**0**	**29**	**0**	**0**	**375**	**0**	**375**	**0**	**62**	**0**	**1,800**	**0**	**18,293**
Petroleum Products	**58**	**77**	**0**	**1,645**	**577**	**0**	**17,578**	**613**	**3,295**	**13,670**	**3,173**	**0**	**0**	**0**	**130**
Liquefied Petroleum Gases	0	0	0	0	0	0	360	0	0	360	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	9	0	9	0	0	0	0	0	0
Motor Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0
Finished Motor Gasoline	0	0	0	757	0	0	8,857	0	320	8,537	1,811	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	166	0	0	1,763	0	74	1,689	659	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	591	0	0	7,094	0	246	6,848	1,152	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	117	0	40	77	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	170	0	0	170	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	1,915	0	149	1,766	313	0	0	0	0
Kerosene	0	0	0	92	0	0	68	0	49	19	0	0	0	0	0
Distillate Fuel Oil	19	0	0	518	0	0	4,099	268	1,696	2,135	716	0	0	0	0
Residual Fuel Oil	0	0	0	102	564	0	988	345	470	173	9	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	30	40	0	33	0	0	10	0	0	10	0	0	0	0	0
Special Naphthas	0	0	0	0	13	0	196	0	78	118	74	0	0	0	0
Lubricants	9	37	0	134	0	0	550	0	436	114	190	0	0	0	130
Waxes	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	173	0	0	173	35	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	56	0	38	18	0	0	0	0	0
Total	**210**	**77**	**0**	**1,674**	**577**	**0**	**17,953**	**613**	**3,670**	**13,670**	**3,235**	**0**	**1,800**	**0**	**18,423**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, February 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**10**	**0**	**0**	**135**	**0**	**0**	**186**	**0**	**186**	**0**	**0**	**0**	**1,193**	**0**	**13,905**
Petroleum Products	**66**	**59**	**0**	**1,545**	**532**	**0**	**14,227**	**250**	**1,740**	**12,237**	**2,996**	**162**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	18	0	238	0	0	238	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	166	0	51	115	0	117	0	0	0
Motor Gasoline Blending Components	19	0	0	0	0	0	23	0	23	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	765	0	0	7,835	0	134	7,701	1,072	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	210	0	0	1,692	0	0	1,692	300	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	555	0	0	6,143	0	134	6,009	772	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	116	0	46	70	7	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	226	0	0	226	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	168	0	0	1,581	0	0	1,581	348	0	0	0	0
Kerosene	0	0	0	76	0	0	18	0	0	18	0	0	0	0	0
Distillate Fuel Oil	9	0	0	422	0	0	2,639	0	1,089	1,550	737	0	0	0	0
Residual Fuel Oil	0	0	0	36	461	0	338	250	0	88	315	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	20	18	0	7	14	0	19	0	0	19	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	243	0	83	160	123	0	0	0	0
Lubricants	18	41	0	62	39	0	296	0	229	67	243	45	0	0	0
Waxes	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	377	0	0	377	114	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	109	0	82	27	37	0	0	0	0
Total	**76**	**59**	**0**	**1,680**	**532**	**0**	**14,413**	**250**	**1,926**	**12,237**	**2,996**	**162**	**1,193**	**0**	**13,905**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**125**	**0**	**0**	**109**	**0**	**0**	**206**	**0**	**206**	**0**	**0**	**0**	**1,483**	**0**	**16,632**
Petroleum Products	**47**	**98**	**0**	**1,757**	**94**	**0**	**14,393**	**0**	**2,233**	**12,160**	**4,327**	**203**	**0**	**0**	**20**
Liquefied Petroleum Gases	0	0	0	0	0	0	252	0	0	252	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	409	0	285	124	0	120	0	0	0
Motor Gasoline Blending Components	0	0	0	0	0	0	188	0	188	0	42	0	0	0	0
Finished Motor Gasoline	8	0	0	989	0	0	7,656	0	194	7,462	1,887	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	226	0	0	1,415	0	0	1,415	713	0	0	0	0
Finished Unleaded Motor Gasoline	8	0	0	763	0	0	6,241	0	194	6,047	1,174	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	81	0	0	81	7	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	63	0	0	1,879	0	99	1,780	348	0	0	0	0
Kerosene	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	6	0	0	434	0	0	2,250	0	509	1,741	1,296	0	0	0	0
Residual Fuel Oil	0	0	0	68	85	0	395	0	271	124	32	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	23	0	0	30	0	0	24	0	0	24	29	0	0	0	0
Special Naphthas	0	1	0	0	0	0	405	0	196	209	124	0	0	0	0
Lubricants	10	97	0	94	9	0	594	0	449	145	428	83	0	0	20
Waxes	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	49	0	0	218	0	0	218	134	0	0	0	0
Miscellaneous Products	0	0	0	17	0	0	38	0	38	0	0	0	0	0	0
Total	**172**	**98**	**0**	**1,866**	**94**	**0**	**14,599**	**0**	**2,439**	**12,160**	**4,327**	**203**	**1,483**	**0**	**16,652**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**21**	**0**	**0**	**78**	**0**	**0**	**405**	**0**	**405**	**0**	**0**	**0**	**2,351**	**0**	**14,808**
Petroleum Products	**66**	**516**	**0**	**1,804**	**126**	**0**	**17,615**	**0**	**2,252**	**15,363**	**4,017**	**197**	**0**	**0**	**25**
Liquefied Petroleum Gases	0	0	0	0	9	0	331	0	0	331	0	0	0	0	0
Unfinished Oils	0	327	0	0	0	0	339	0	96	243	38	0	0	0	0
Motor Gasoline Blending Components	54	67	0	0	0	0	0	0	0	0	33	0	0	0	0
Finished Motor Gasoline	0	0	0	956	0	0	9,697	0	207	9,490	1,979	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	309	0	0	2,038	0	26	2,012	660	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	647	0	0	7,659	0	181	7,478	1,319	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	143	0	57	86	4	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	361	0	0	361	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	73	0	0	2,177	0	123	2,054	216	0	0	0	0
Kerosene	0	0	0	14	0	0	19	0	0	19	0	0	0	0	0
Distillate Fuel Oil	0	0	0	478	0	0	2,818	0	840	1,978	865	197	0	0	0
Residual Fuel Oil	0	0	0	70	114	0	219	0	219	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	12	0	0	28	0	0	64	0	0	64	19	0	0	0	0
Special Naphthas	0	4	0	0	3	0	250	0	120	130	101	0	0	0	0
Lubricants	0	60	0	66	0	0	623	0	513	110	476	0	0	0	25
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	58	0	101	0	0	434	0	8	426	286	0	0	0	0
Miscellaneous Products	0	0	0	18	0	0	140	0	69	71	0	0	0	0	0
Total	**87**	**516**	**0**	**1,882**	**126**	**0**	**18,020**	**0**	**2,657**	**15,363**	**4,017**	**197**	**2,351**	**0**	**14,833**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**61**	**0**	**0**	**122**	**0**	**0**	**391**	**0**	**391**	**0**	**0**	**0**	**1,729**	**0**	**18,314**
Petroleum Products	**118**	**263**	**0**	**1,798**	**370**	**0**	**14,388**	**0**	**1,019**	**13,369**	**3,655**	**164**	**0**	**0**	**70**
Liquefied Petroleum Gases	0	0	0	0	22	0	141	0	0	141	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	112	0	47	65	0	91	0	0	0
Motor Gasoline Blending Components	40	0	0	0	0	0	74	0	74	0	33	0	0	0	0
Finished Motor Gasoline	0	0	0	914	0	0	8,715	0	68	8,647	1,678	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	224	0	0	1,612	0	0	1,612	573	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	690	0	0	7,103	0	68	7,035	1,105	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	27	0	0	27	24	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	162	0	0	162	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	112	0	0	1,412	0	0	1,412	128	0	0	0	0
Kerosene	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	16	0	0	523	0	0	2,234	0	179	2,055	933	0	0	0	0
Residual Fuel Oil	0	0	0	17	292	0	75	0	0	75	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	53	34	0	30	46	0	19	0	0	19	37	0	0	0	0
Special Naphthas	0	4	0	0	0	0	350	0	179	171	154	0	0	0	0
Lubricants	9	65	0	93	0	0	495	0	395	100	391	73	0	0	70
Waxes	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Asphalt and Road Oil	0	132	0	94	10	0	492	0	15	477	277	0	0	0	0
Miscellaneous Products	0	28	0	0	0	0	78	0	60	18	0	0	0	0	0
Total	**179**	**263**	**0**	**1,920**	**370**	**0**	**14,779**	**0**	**1,410**	**13,369**	**3,655**	**164**	**1,729**	**0**	**18,384**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**44**	**0**	**0**	**130**	**0**	**0**	**391**	**0**	**391**	**0**	**0**	**0**	**1,831**	**0**	**17,131**
Petroleum Products	**61**	**286**	**0**	**1,944**	**207**	**0**	**13,979**	**0**	**1,779**	**12,200**	**4,411**	**132**	**0**	**0**	**40**
Liquefied Petroleum Gases	0	0	0	0	10	0	171	0	0	171	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	92	0	33	59	0	70	0	0	0
Motor Gasoline Blending Components	0	42	0	0	0	0	146	0	146	0	76	0	0	0	0
Finished Motor Gasoline	10	0	0	1,112	0	0	7,800	0	154	7,646	1,939	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	285	0	0	1,325	0	0	1,325	682	0	0	0	0
Finished Unleaded Motor Gasoline	10	0	0	827	0	0	6,475	0	154	6,321	1,257	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	155	0	76	79	6	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	222	0	0	222	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	110	0	0	1,342	0	0	1,342	360	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	334	0	0	2,431	0	383	2,048	817	0	0	0	0
Residual Fuel Oil	0	43	0	0	144	0	458	0	386	72	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	51	47	0	32	41	0	20	0	20	0	9	0	0	0	0
Special Naphthas	0	4	0	0	0	0	213	0	57	156	220	21	0	0	0
Lubricants	0	92	0	108	12	0	535	0	458	77	530	41	0	0	40
Waxes	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0
Asphalt and Road Oil	0	58	0	248	0	0	318	0	8	310	454	0	0	0	0
Miscellaneous Products	0	0	0	0	0	0	71	0	53	18	0	0	0	0	0
Total	**105**	**286**	**0**	**2,074**	**207**	**0**	**14,370**	**0**	**2,170**	**12,200**	**4,411**	**132**	**1,831**	**0**	**17,171**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, July 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**31**	**0**	**0**	**0**	**0**	**0**	**397**	**0**	**397**	**0**	**0**	**0**	**995**	**0**	**15,393**
Petroleum Products	**83**	**92**	**0**	**1,876**	**244**	**0**	**16,138**	**9**	**2,420**	**13,709**	**4,449**	**0**	**0**	**0**	**60**
Liquefied Petroleum Gases	0	0	0	0	18	0	176	0	0	176	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	234	0	75	159	0	0	0	0	0
Motor Gasoline Blending Components	21	0	0	0	0	0	474	0	474	0	57	0	0	0	0
Finished Motor Gasoline	0	0	0	978	0	0	9,138	0	379	8,759	2,283	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	210	0	0	1,270	0	61	1,209	796	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	768	0	0	7,868	0	318	7,550	1,487	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	113	0	49	64	6	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	230	0	0	230	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	110	0	0	1,398	0	0	1,398	356	0	0	0	0
Kerosene	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	438	0	0	2,690	0	696	1,994	936	0	0	0	0
Residual Fuel Oil	0	0	0	0	207	0	128	0	0	128	39	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	53	0	0	42	19	0	9	9	0	0	12	0	0	0	0
Special Naphthas	0	2	0	0	0	0	415	0	210	205	59	0	0	0	0
Lubricants	9	90	0	81	0	0	487	0	391	96	183	0	0	0	60
Waxes	0	0	0	0	0	0	8	0	8	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	199	0	0	553	0	71	482	518	0	0	0	0
Miscellaneous Products	0	0	0	18	0	0	85	0	67	18	0	0	0	0	0
Total	**114**	**92**	**0**	**1,876**	**244**	**0**	**16,535**	**9**	**2,817**	**13,709**	**4,449**	**0**	**995**	**0**	**15,453**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**39**	**0**	**0**	**0**	**0**	**0**	**395**	**0**	**395**	**0**	**0**	**0**	**880**	**0**	**16,249**
Petroleum Products	**128**	**194**	**0**	**2,257**	**397**	**0**	**16,368**	**0**	**2,501**	**13,867**	**4,448**	**81**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	10	0	200	0	0	200	0	0	0	0	0
Unfinished Oils	0	66	0	0	0	0	105	0	27	78	0	8	0	0	0
Motor Gasoline Blending Components	29	0	0	0	21	0	203	0	203	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	1,016	0	0	9,002	0	137	8,865	1,993	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	247	0	0	1,454	0	19	1,435	522	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	769	0	0	7,548	0	118	7,430	1,471	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	134	0	71	63	6	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	229	0	0	229	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	109	0	0	1,625	0	0	1,625	399	0	0	0	0
Kerosene	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	470	0	0	2,490	0	598	1,892	1,025	0	0	0	0
Residual Fuel Oil	0	0	0	101	346	0	1,081	0	854	227	33	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	99	28	0	56	20	0	0	0	0	0	154	0	0	0	0
Special Naphthas	0	3	0	0	0	0	273	0	114	159	68	0	0	0	0
Lubricants	0	68	0	120	0	0	543	0	439	104	130	73	0	0	0
Waxes	0	0	0	0	0	0	8	0	8	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	370	0	0	425	0	0	425	640	0	0	0	0
Miscellaneous Products	0	29	0	0	0	0	50	0	50	0	0	0	0	0	0
Total	**167**	**194**	**0**	**2,257**	**397**	**0**	**16,763**	**0**	**2,896**	**13,867**	**4,448**	**81**	**880**	**0**	**16,249**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**59**	**0**	**0**	**409**	**0**	**409**	**0**	**0**	**0**	**694**	**0**	**14,412**
Petroleum Products	**118**	**87**	**0**	**1,793**	**390**	**0**	**14,949**	**473**	**1,497**	**12,979**	**4,973**	**97**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	9	0	153	0	0	153	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	184	0	71	113	0	0	0	0	0
Motor Gasoline Blending Components	39	0	0	0	0	0	194	0	118	76	24	22	0	0	0
Finished Motor Gasoline	0	0	0	1,135	0	0	8,383	203	241	7,939	2,178	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	344	0	0	1,342	72	26	1,244	545	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	791	0	0	7,041	131	215	6,695	1,633	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	185	0	116	69	6	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	221	0	0	221	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	61	0	0	1,486	0	137	1,349	268	0	0	0	0
Kerosene	0	0	0	22	0	0	70	0	52	18	34	0	0	0	0
Distillate Fuel Oil	0	0	0	290	0	0	2,194	0	169	2,025	1,223	0	0	0	0
Residual Fuel Oil	0	0	0	0	296	0	672	270	0	402	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	79	18	0	40	0	0	7	0	0	7	15	0	0	0	0
Special Naphthas	0	4	0	0	30	0	192	0	65	127	175	0	0	0	0
Lubricants	0	51	0	46	9	0	538	0	459	79	424	75	0	0	0
Waxes	0	0	0	0	0	0	7	0	7	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	199	46	0	424	0	23	401	468	0	0	0	0
Miscellaneous Products	0	14	0	0	0	0	39	0	39	0	158	0	0	0	0
Total	**118**	**87**	**0**	**1,852**	**390**	**0**	**15,358**	**473**	**1,906**	**12,979**	**4,973**	**97**	**694**	**0**	**14,412**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, October 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**147**	**0**	**0**	**205**	**0**	**205**	**0**	**0**	**0**	**1,283**	**0**	**14,932**
Petroleum Products	**130**	**62**	**0**	**2,096**	**404**	**0**	**15,716**	**0**	**1,712**	**14,004**	**4,367**	**132**	**0**	**0**	**40**
Liquefied Petroleum Gases	0	0	0	0	9	0	226	0	0	226	33	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	139	0	53	86	44	108	0	0	0
Motor Gasoline Blending Components	40	0	0	0	0	0	146	0	108	38	67	0	0	0	0
Finished Motor Gasoline	0	0	0	1,110	0	0	8,756	0	202	8,554	1,723	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	245	0	0	1,328	0	27	1,301	538	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	865	0	0	7,428	0	175	7,253	1,185	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	177	0	98	79	23	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	361	0	0	361	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	105	0	0	1,633	0	127	1,506	536	0	0	0	0
Kerosene	0	0	0	41	0	0	7	0	0	7	0	0	0	0	0
Distillate Fuel Oil	8	0	0	475	0	0	2,686	0	517	2,169	1,000	0	0	0	0
Residual Fuel Oil	0	0	0	19	327	0	385	0	0	385	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	82	9	0	25	0	0	23	0	0	23	13	0	0	0	0
Special Naphthas	0	0	0	0	0	0	277	0	117	160	144	0	0	0	0
Lubricants	0	38	0	92	19	0	553	0	459	94	320	24	0	0	40
Waxes	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	229	49	0	306	0	7	299	464	0	0	0	0
Miscellaneous Products	0	15	0	0	0	0	36	0	19	17	0	0	0	0	0
Total	**130**	**62**	**0**	**2,243**	**404**	**0**	**15,921**	**0**	**1,917**	**14,004**	**4,367**	**132**	**1,283**	**0**	**14,972**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, November 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**150**	**0**	**0**	**202**	**0**	**202**	**0**	**0**	**0**	**350**	**0**	**17,658**
Petroleum Products	**115**	**147**	**0**	**1,942**	**189**	**0**	**15,066**	**0**	**2,342**	**12,724**	**4,487**	**171**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	10	0	214	0	0	214	16	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	160	0	51	109	0	106	0	0	0
Motor Gasoline Blending Components	10	0	0	0	0	0	176	0	176	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	1,108	0	0	8,056	0	200	7,856	1,734	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	282	0	0	942	0	27	915	515	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	826	0	0	7,114	0	173	6,941	1,219	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	127	0	74	53	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	448	0	0	448	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	83	0	0	1,258	0	0	1,258	373	0	0	0	0
Kerosene	0	0	0	28	0	0	57	0	24	33	0	0	0	0	0
Distillate Fuel Oil	16	0	0	555	0	0	2,394	0	650	1,744	1,346	0	0	0	0
Residual Fuel Oil	0	0	0	24	170	0	1,145	0	603	542	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	89	18	0	20	0	0	19	0	0	19	18	0	0	0	0
Special Naphthas	0	0	0	0	0	0	261	0	113	148	185	0	0	0	0
Lubricants	0	115	0	37	9	0	540	0	420	120	498	65	0	0	0
Waxes	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	87	0	0	180	0	0	180	227	0	0	0	0
Miscellaneous Products	0	14	0	0	0	0	29	0	29	0	90	0	0	0	0
Total	**115**	**147**	**0**	**2,092**	**189**	**0**	**15,268**	**0**	**2,544**	**12,724**	**4,487**	**171**	**350**	**0**	**17,658**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, December 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**202**	**0**	**0**	**227**	**0**	**227**	**0**	**0**	**0**	**2,293**	**0**	**18,866**
Petroleum Products	**204**	**99**	**0**	**1,923**	**634**	**0**	**15,280**	**644**	**1,598**	**13,038**	**4,822**	**80**	**0**	**0**	**40**
Liquefied Petroleum Gases	0	0	0	0	0	0	339	0	0	339	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	153	0	44	109	0	0	0	0	0
Motor Gasoline Blending Components	50	0	0	0	0	0	39	0	39	0	15	0	0	0	0
Finished Motor Gasoline	0	0	0	1,032	0	0	8,436	125	204	8,107	2,115	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	235	0	0	1,000	0	27	973	559	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	797	0	0	7,436	125	177	7,134	1,556	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	139	0	81	58	22	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	181	0	0	181	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	83	0	0	1,331	0	0	1,331	523	0	0	0	0
Kerosene	0	0	0	42	0	0	61	0	27	34	0	0	0	0	0
Distillate Fuel Oil	54	0	0	417	0	0	2,995	439	709	1,847	1,401	0	0	0	0
Residual Fuel Oil	0	0	0	51	607	0	217	80	0	137	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	92	0	0	25	27	0	0	0	0	0	22	0	0	0	0
Special Naphthas	0	0	0	0	0	0	184	0	64	120	159	13	0	0	0
Lubricants	8	74	0	100	0	0	458	0	371	87	411	67	0	0	40
Waxes	0	0	0	0	0	0	9	0	9	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	164	0	0	652	0	0	652	154	0	0	0	0
Miscellaneous Products	0	25	0	9	0	0	86	0	50	36	0	0	0	0	0
Total	**204**	**99**	**0**	**2,125**	**634**	**0**	**15,507**	**644**	**1,825**	**13,038**	**4,822**	**80**	**2,293**	**0**	**18,906**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, January 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,256**	**152**	**2,104**	**48,545**	**2,962**	**45,583**	**23,734**	**42,570**	**-18,836**	**553**	**8,481**	**-7,928**	**0**	**20,923**	**-20,923**
Petroleum Products	**96,307**	**6,634**	**89,673**	**32,468**	**12,278**	**20,190**	**6,381**	**117,842**	**-111,461**	**2,244**	**3,451**	**-1,207**	**2,935**	**130**	**2,805**
Pentanes Plus	0	0	0	949	214	735	329	875	-546	0	189	-189	0	0	0
Liquefied Petroleum Gases	4,672	0	4,672	4,906	4,079	827	3,302	7,598	-4,296	178	1,381	-1,203	0	0	0
Unfinished Oils	9	0	9	0	0	0	0	9	-9	0	0	0	0	0	0
Blending Components															
Motor Gasoline	151	0	151	25	151	-126	0	25	-25	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	49,950	4,717	45,233	18,149	4,563	13,586	1,475	61,883	-60,408	1,005	1,095	-90	1,679	0	1,679
Finished Leaded Motor Gasoline	11,326	1,579	9,747	5,782	1,178	4,604	374	15,225	-14,851	322	457	-135	635	0	635
Finished Unleaded Motor Gasoline	38,624	3,138	35,486	12,367	3,385	8,982	1,101	46,658	-45,557	683	638	45	1,044	0	1,044
Finished Aviation Gasoline	157	11	146	102	9	93	0	248	-248	9	0	9	0	0	0
Naphtha-Type Jet Fuel	312	0	312	85	0	85	0	548	-548	0	166	-166	317	0	317
Kerosene-Type Jet Fuel	11,368	314	11,054	3,101	1,127	1,974	142	14,226	-14,084	874	65	809	247	0	247
Kerosene	1,394	66	1,328	131	191	-60	99	1,367	-1,268	0	0	0	0	0	0
Distillate Fuel Oil	26,033	1,410	24,623	4,673	1,089	3,584	250	28,772	-28,522	178	555	-377	692	0	692
Residual Fuel Oil	1,090	0	1,090	9	666	-657	564	997	-433	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	43	70	-27	30	33	-3	40	10	30	0	0	0	0	0	0
Special Naphthas	196	0	196	74	13	61	13	270	-257	0	0	0	0	0	0
Lubricants	684	46	638	199	134	65	167	740	-573	0	0	0	0	130	-130
Waxes	10	0	10	0	0	0	0	10	-10	0	0	0	0	0	0
Asphalt and Road Oil	173	0	173	35	0	35	0	208	-208	0	0	0	0	0	0
Miscellaneous Products	65	0	65	0	9	-9	0	56	-56	0	0	0	0	0	0
Total	**98,563**	**6,786**	**91,777**	**81,013**	**15,240**	**65,773**	**30,115**	**160,412**	**-130,297**	**2,797**	**11,932**	**-9,135**	**2,935**	**21,053**	**-18,118**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, February 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,538**	**10**	**1,528**	**44,857**	**2,593**	**42,264**	**18,043**	**38,877**	**-20,834**	**465**	**7,984**	**-7,519**	**0**	**15,439**	**-15,439**
Petroleum Products	**74,877**	**5,289**	**69,588**	**25,566**	**11,225**	**14,341**	**5,893**	**91,497**	**-85,604**	**2,070**	**3,442**	**-1,372**	**3,047**	**0**	**3,047**
Pentanes Plus	0	0	0	731	229	502	342	672	-330	0	172	-172	0	0	0
Liquefied Petroleum Gases	3,742	0	3,742	4,210	3,580	630	3,149	6,302	-3,153	100	1,319	-1,219	0	0	0
Unfinished Oils	166	0	166	0	0	0	0	283	-283	0	0	0	117	0	117
Blending Components															
Motor Gasoline	153	19	134	19	130	-111	0	23	-23	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	38,795	3,418	35,377	12,418	4,289	8,129	1,260	46,400	-45,140	1,078	1,206	-128	1,762	0	1,762
Finished Leaded Motor Gasoline	8,821	1,082	7,739	3,494	1,182	2,312	417	10,954	-10,537	324	599	-275	761	0	761
Finished Unleaded Motor Gasoline	29,974	2,336	27,638	8,924	3,107	5,817	843	35,446	-34,603	754	607	147	1,001	0	1,001
Finished Aviation Gasoline	131	0	131	100	13	87	0	231	-231	13	0	13	0	0	0
Naphtha-Type Jet Fuel	386	0	386	118	0	118	0	747	-747	0	139	-139	382	0	382
Kerosene-Type Jet Fuel	9,221	320	8,901	2,970	1,178	1,792	124	11,705	-11,581	751	82	669	219	0	219
Kerosene	1,105	59	1,046	59	171	-112	95	1,029	-934	0	0	0	0	0	0
Distillate Fuel Oil	19,679	1,376	18,303	4,071	1,007	3,064	350	21,843	-21,493	128	524	-396	522	0	522
Residual Fuel Oil	374	0	374	315	497	-182	461	653	-192	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	26	38	-12	20	21	-1	32	19	13	0	0	0	0	0	0
Special Naphthas	243	0	243	123	0	123	0	366	-366	0	0	0	0	0	0
Lubricants	358	59	299	261	101	160	80	584	-504	0	0	0	45	0	45
Waxes	3	0	3	0	0	0	0	3	-3	0	0	0	0	0	0
Asphalt and Road Oil	377	0	377	114	0	114	0	491	-491	0	0	0	0	0	0
Miscellaneous Products	118	0	118	37	9	28	0	146	-146	0	0	0	0	0	0
Total	**76,415**	**5,299**	**71,116**	**70,423**	**13,818**	**56,605**	**23,936**	**130,374**	**-106,438**	**2,535**	**11,426**	**-8,891**	**3,047**	**15,439**	**-12,392**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, March 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,868**	**125**	**1,743**	**45,188**	**2,976**	**42,212**	**20,727**	**37,648**	**-16,921**	**650**	**9,311**	**-8,661**	**0**	**18,373**	**-18,373**
Petroleum Products	**79,487**	**6,558**	**72,929**	**34,718**	**12,369**	**22,349**	**7,086**	**104,073**	**-96,987**	**2,058**	**3,527**	**-1,469**	**3,198**	**20**	**3,178**
Pentanes Plus	0	0	0	844	256	588	256	773	-517	0	71	-71	0	0	0
Liquefied Petroleum Gases	3,018	0	3,018	5,680	4,282	1,398	4,249	7,279	-3,030	118	1,504	-1,386	0	0	0
Unfinished Oils	409	0	409	0	0	0	0	529	-529	0	0	0	120	0	120
Blending Components															
Motor Gasoline	382	0	382	42	194	-152	0	230	-230	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	44,604	4,441	40,163	17,702	4,823	12,879	1,590	56,338	-54,748	1,050	1,265	-215	1,921	0	1,921
Finished Leaded Motor Gasoline	9,078	1,247	7,831	4,614	1,300	3,314	538	12,195	-11,657	319	648	-329	841	0	841
Finished Unleaded Motor Gasoline	35,526	3,194	32,332	13,088	3,523	9,565	1,052	44,143	-43,091	731	617	114	1,080	0	1,080
Finished Aviation Gasoline	121	7	114	110	13	97	0	224	-224	13	0	13	0	0	0
Naphtha-Type Jet Fuel	244	0	244	133	0	133	0	555	-555	0	208	-208	386	0	386
Kerosene-Type Jet Fuel	10,294	265	10,029	3,370	1,029	2,341	141	13,352	-13,211	735	41	694	147	0	147
Kerosene	562	50	512	50	109	-59	96	549	-453	0	0	0	0	0	0
Distillate Fuel Oil	17,917	1,664	16,253	6,007	1,311	4,696	542	21,736	-21,194	142	438	-296	541	0	541
Residual Fuel Oil	463	0	463	32	153	-121	85	427	-342	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	54	23	31	52	30	22	0	53	-53	0	0	0	0	0	0
Special Naphthas	405	1	404	124	0	124	1	529	-528	0	0	0	0	0	0
Lubricants	688	107	581	438	103	335	126	1,105	-979	0	0	0	83	20	63
Waxes	4	0	4	0	0	0	0	4	-4	0	0	0	0	0	0
Asphalt and Road Oil	267	0	267	134	49	85	0	352	-352	0	0	0	0	0	0
Miscellaneous Products	55	0	55	0	17	-17	0	38	-38	0	0	0	0	0	0
Total	**81,355**	**6,683**	**74,672**	**79,906**	**15,345**	**64,561**	**27,813**	**141,721**	**-113,908**	**2,708**	**12,838**	**-10,130**	**3,198**	**18,393**	**-15,195**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,863**	**21**	**2,842**	**47,706**	**3,149**	**44,557**	**19,778**	**41,588**	**-21,810**	**435**	**8,364**	**-7,929**	**0**	**17,660**	**-17,660**
Petroleum Products	**78,707**	**6,838**	**71,869**	**31,096**	**12,460**	**18,636**	**7,520**	**99,762**	**-92,242**	**2,244**	**3,789**	**-1,545**	**3,307**	**25**	**3,282**
Pentanes Plus	0	0	0	1,050	251	799	377	982	-605	0	194	-194	0	0	0
Liquefied Petroleum Gases	1,956	0	1,956	4,495	4,479	16	4,422	5,154	-732	98	1,338	-1,240	0	0	0
Unfinished Oils	339	327	12	38	0	38	327	377	-50	0	0	0	0	0	0
Blending Components															
Motor Gasoline	163	121	42	87	163	-76	67	33	34	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	48,431	4,491	43,940	16,903	4,872	12,031	1,506	59,025	-57,519	1,146	1,521	-375	1,923	0	1,923
Finished Leaded Motor Gasoline	10,527	1,384	9,143	4,552	1,340	3,212	447	13,261	-12,814	344	775	-431	890	0	890
Finished Unleaded Motor Gasoline	37,904	3,107	34,797	12,351	3,532	8,819	1,059	45,764	-44,705	802	746	56	1,033	0	1,033
Finished Aviation Gasoline	210	10	200	82	9	73	0	282	-282	9	0	9	0	0	0
Naphtha-Type Jet Fuel	558	0	558	93	0	93	0	940	-940	0	110	-110	399	0	399
Kerosene-Type Jet Fuel	8,799	193	8,606	2,365	1,035	1,330	117	10,922	-10,805	772	60	712	157	0	157
Kerosene	248	16	232	16	113	-97	99	234	-135	0	0	0	0	0	0
Distillate Fuel Oil	15,990	1,546	14,444	5,073	1,138	3,935	341	19,201	-18,860	219	566	-347	828	0	828
Residual Fuel Oil	289	0	289	0	184	-184	114	219	-105	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	92	12	80	31	28	3	0	83	-83	0	0	0	0	0	0
Special Naphthas	250	4	246	101	3	98	7	351	-344	0	0	0	0	0	0
Lubricants	689	60	629	476	66	410	85	1,099	-1,014	0	0	0	0	25	-25
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	535	58	477	286	101	185	58	720	-662	0	0	0	0	0	0
Miscellaneous Products	158	0	158	0	18	-18	0	140	-140	0	0	0	0	0	0
Total	**81,570**	**6,859**	**74,711**	**78,802**	**15,609**	**63,193**	**27,298**	**141,350**	**-114,052**	**2,679**	**12,153**	**-9,474**	**3,307**	**17,685**	**-14,378**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, May 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,283**	**61**	**2,222**	**46,739**	**3,206**	**43,533**	**23,067**	**40,283**	**-17,216**	**661**	**8,654**	**-7,993**	**0**	**20,546**	**-20,546**
Petroleum Products	**78,205**	**7,529**	**70,676**	**34,197**	**12,877**	**21,320**	**7,895**	**100,924**	**-93,029**	**1,985**	**4,205**	**-2,220**	**3,323**	**70**	**3,253**
Pentanes Plus	0	0	0	874	291	583	456	797	-341	0	242	-242	0	0	0
Liquefied Petroleum Gases	1,568	0	1,568	4,548	4,830	-282	4,998	4,649	349	45	1,680	-1,635	0	0	0
Unfinished Oils	112	0	112	0	0	0	0	203	-203	0	0	0	91	0	91
Blending Components															
Motor Gasoline	217	40	177	73	143	-70	0	107	-107	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	50,027	4,877	45,150	17,927	4,605	13,322	1,172	61,126	-59,954	1,011	1,405	-394	1,876	0	1,876
Finished Leaded Motor Gasoline	9,383	1,369	8,014	4,953	1,248	3,705	376	12,578	-12,202	321	641	-320	803	0	803
Finished Unleaded Motor Gasoline	40,644	3,508	37,136	12,974	3,357	9,617	796	48,548	-47,752	690	764	-74	1,073	0	1,073
Finished Aviation Gasoline	43	0	43	157	13	144	0	200	-200	13	0	13	0	0	0
Naphtha-Type Jet Fuel	341	0	341	108	0	108	0	677	-677	0	157	-157	385	0	385
Kerosene-Type Jet Fuel	8,958	215	8,743	2,822	1,016	1,806	84	11,452	-11,368	691	58	633	186	0	186
Kerosene	98	11	87	11	115	-104	100	83	17	0	0	0	0	0	0
Distillate Fuel Oil	15,096	2,061	13,035	6,756	1,282	5,474	404	19,187	-18,783	225	663	-438	712	0	712
Residual Fuel Oil	92	0	92	0	309	-309	292	75	217	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	49	87	-38	90	76	14	80	56	24	0	0	0	0	0	0
Special Naphthas	350	4	346	154	0	154	4	504	-500	0	0	0	0	0	0
Lubricants	588	74	514	400	93	307	135	959	-824	0	0	0	73	70	3
Waxes	2	0	2	0	0	0	0	2	-2	0	0	0	0	0	0
Asphalt and Road Oil	586	132	454	277	104	173	142	769	-627	0	0	0	0	0	0
Miscellaneous Products	78	28	50	0	0	0	28	78	-50	0	0	0	0	0	0
Total	**80,488**	**7,590**	**72,898**	**80,936**	**16,083**	**64,853**	**30,962**	**141,207**	**-110,245**	**2,646**	**12,859**	**-10,213**	**3,323**	**20,616**	**-17,293**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, June 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,391**	**44**	**2,347**	**47,576**	**2,955**	**44,621**	**22,219**	**41,144**	**-18,925**	**621**	**8,799**	**-8,178**	**0**	**19,865**	**-19,865**
Petroleum Products	**77,749**	**7,560**	**70,189**	**33,896**	**12,503**	**21,393**	**7,436**	**100,275**	**-92,839**	**2,108**	**4,063**	**-1,955**	**3,252**	**40**	**3,212**
Pentanes Plus	0	0	0	467	242	225	377	397	-20	0	205	-205	0	0	0
Liquefied Petroleum Gases	1,541	0	1,541	4,176	3,991	185	4,290	4,506	-216	26	1,536	-1,510	0	0	0
Unfinished Oils	92	0	92	0	0	0	0	162	-162	0	0	0	70	0	70
Blending Components															
Motor Gasoline	289	42	247	76	143	-67	42	222	-180	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	49,868	5,019	44,849	17,776	5,028	12,748	1,449	60,478	-59,029	1,072	1,502	-430	1,862	0	1,862
Finished Leaded Motor Gasoline	9,287	1,366	7,921	5,175	1,399	3,776	473	12,572	-12,099	335	749	-414	816	0	816
Finished Unleaded Motor Gasoline	40,581	3,653	36,928	12,601	3,629	8,972	976	47,906	-46,930	737	753	-16	1,046	0	1,046
Finished Aviation Gasoline	224	14	210	111	16	95	0	321	-321	16	0	16	0	0	0
Naphtha-Type Jet Fuel	458	0	458	67	0	67	0	753	-753	0	169	-169	397	0	397
Kerosene-Type Jet Fuel	9,106	176	8,930	3,216	1,141	2,075	208	12,066	-11,858	721	74	647	206	0	206
Kerosene	62	5	57	5	100	-95	100	62	38	0	0	0	0	0	0
Distillate Fuel Oil	14,101	2,009	12,092	6,738	1,257	5,481	489	18,413	-17,924	273	577	-304	655	0	655
Residual Fuel Oil	458	43	415	0	144	-144	187	458	-271	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	52	98	-46	60	73	-13	88	29	59	0	0	0	0	0	0
Special Naphthas	213	4	209	220	0	220	4	454	-450	0	0	0	21	0	21
Lubricants	643	92	551	530	120	410	144	1,106	-962	0	0	0	41	40	1
Waxes	5	0	5	0	0	0	0	5	-5	0	0	0	0	0	0
Asphalt and Road Oil	566	58	508	454	248	206	58	772	-714	0	0	0	0	0	0
Miscellaneous Products	71	0	71	0	0	0	0	71	-71	0	0	0	0	0	0
Total	**80,140**	**7,604**	**72,536**	**81,472**	**15,458**	**66,014**	**29,655**	**141,419**	**-111,764**	**2,729**	**12,862**	**-10,133**	**3,252**	**19,905**	**-16,653**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, July 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,435**	**31**	**1,404**	**51,830**	**3,099**	**48,731**	**19,596**	**46,808**	**-27,212**	**663**	**7,019**	**-6,356**	**0**	**16,567**	**-16,567**
Petroleum Products	**80,163**	**7,275**	**72,888**	**32,526**	**11,000**	**21,526**	**6,231**	**102,019**	**-95,788**	**2,217**	**3,722**	**-1,505**	**2,939**	**60**	**2,879**
Pentanes Plus	0	0	0	842	273	569	385	758	-373	0	196	-196	0	0	0
Liquefied Petroleum Gases	1,409	0	1,409	2,361	2,806	-445	3,568	3,063	505	55	1,524	-1,469	0	0	0
Unfinished Oils	234	0	234	0	0	0	0	234	-234	0	0	0	0	0	0
Blending Components															
Motor Gasoline	592	21	571	78	118	-40	0	531	-531	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	51,580	5,205	46,375	19,058	4,758	14,300	1,289	63,544	-62,255	1,130	1,352	-222	1,802	0	1,802
Finished Leaded Motor Gasoline	9,430	1,469	7,961	4,847	1,243	3,604	397	12,392	-11,995	346	630	-284	714	0	714
Finished Unleaded Motor Gasoline	42,150	3,736	38,414	14,211	3,515	10,696	892	51,152	-50,260	784	722	62	1,088	0	1,088
Finished Aviation Gasoline	141	4	137	186	18	168	0	323	-323	18	0	18	0	0	0
Naphtha-Type Jet Fuel	543	0	543	109	0	109	0	885	-885	0	170	-170	403	0	403
Kerosene-Type Jet Fuel	8,743	263	8,480	2,950	940	2,010	53	11,376	-11,323	701	71	630	203	0	203
Kerosene	47	0	47	0	111	-111	101	37	64	0	0	0	0	0	0
Distillate Fuel Oil	14,849	1,628	13,221	6,069	1,410	4,659	457	18,772	-18,315	313	409	-96	531	0	531
Residual Fuel Oil	128	0	128	39	207	-168	207	167	40	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	51	53	-2	65	61	4	19	21	-2	0	0	0	0	0	0
Special Naphthas	415	2	413	59	0	59	2	474	-472	0	0	0	0	0	0
Lubricants	568	99	469	192	81	111	150	670	-520	0	0	0	0	60	-60
Waxes	8	0	8	0	0	0	0	8	-8	0	0	0	0	0	0
Asphalt and Road Oil	752	0	752	518	199	319	0	1,071	-1,071	0	0	0	0	0	0
Miscellaneous Products	103	0	103	0	18	-18	0	85	-85	0	0	0	0	0	0
Total	**81,598**	**7,306**	**74,292**	**84,356**	**14,099**	**70,257**	**25,827**	**148,827**	**-123,000**	**2,880**	**10,741**	**-7,861**	**2,939**	**16,627**	**-13,688**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, August 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,323**	**39**	**1,284**	**54,801**	**3,435**	**51,366**	**20,627**	**50,552**	**-29,925**	**695**	**6,065**	**-5,370**	**0**	**17,355**	**-17,355**
Petroleum Products	**80,306**	**7,424**	**72,882**	**37,932**	**13,222**	**24,710**	**7,737**	**106,700**	**-98,963**	**2,264**	**3,704**	**-1,440**	**2,811**	**0**	**2,811**
Pentanes Plus	0	0	0	1,009	267	742	389	918	-529	0	213	-213	0	0	0
Liquefied Petroleum Gases	1,803	0	1,803	4,240	4,070	170	4,489	4,874	-385	32	1,620	-1,588	0	0	0
Unfinished Oils	105	66	39	0	0	0	66	113	-47	0	0	0	8	0	8
Blending Components															
Motor Gasoline	287	29	258	29	105	-76	21	203	-182	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	47,855	4,998	42,857	20,801	5,201	15,600	1,527	61,673	-60,146	1,258	1,154	104	1,585	0	1,585
Finished Leaded Motor Gasoline	8,584	1,242	7,342	5,881	1,378	4,503	471	12,800	-12,329	409	561	-152	636	0	636
Finished Unleaded Motor Gasoline	39,271	3,756	35,515	14,920	3,823	11,097	1,056	48,873	-47,817	849	593	256	949	0	949
Finished Aviation Gasoline	195	14	181	160	22	138	0	341	-341	22	0	22	0	0	0
Naphtha-Type Jet Fuel	491	0	491	94	0	94	0	782	-782	0	161	-161	358	0	358
Kerosene-Type Jet Fuel	9,287	158	9,129	3,429	1,080	2,349	168	12,480	-12,312	690	51	639	195	0	195
Kerosene	303	0	303	72	114	-42	99	360	-261	0	0	0	0	0	0
Distillate Fuel Oil	16,953	1,932	15,021	6,974	1,350	5,624	484	21,478	-20,994	262	505	-243	592	0	592
Residual Fuel Oil	1,182	0	1,182	33	447	-414	346	1,114	-768	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	56	127	-71	253	76	177	48	154	-106	0	0	0	0	0	0
Special Naphthas	273	3	270	68	0	68	3	341	-338	0	0	0	0	0	0
Lubricants	663	68	595	130	120	10	68	746	-678	0	0	0	73	0	73
Waxes	8	0	8	0	0	0	0	8	-8	0	0	0	0	0	0
Asphalt and Road Oil	795	0	795	640	370	270	0	1,065	-1,065	0	0	0	0	0	0
Miscellaneous Products	50	29	21	0	0	0	29	50	-21	0	0	0	0	0	0
Total	**81,629**	**7,463**	**74,166**	**92,733**	**16,657**	**76,076**	**28,364**	**157,252**	**-128,888**	**2,959**	**9,769**	**-6,810**	**2,811**	**17,355**	**-14,544**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, September 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,195**	**0**	**1,195**	**51,496**	**2,921**	**48,575**	**18,140**	**47,208**	**-29,068**	**615**	**6,062**	**-5,447**	**0**	**15,255**	**-15,255**
Petroleum Products	**78,402**	**7,126**	**71,276**	**38,055**	**12,283**	**25,772**	**7,063**	**105,805**	**-98,742**	**2,237**	**3,485**	**-1,248**	**2,942**	**0**	**2,942**
Pentanes Plus	0	0	0	1,038	255	783	358	952	-594	0	189	-189	0	0	0
Liquefied Petroleum Gases	2,806	0	2,806	5,383	4,419	964	4,315	6,812	-2,497	123	1,396	-1,273	0	0	0
Unfinished Oils	184	0	184	0	0	0	0	184	-184	0	0	0	0	0	0
Blending Components															
Motor Gasoline	320	39	281	63	126	-63	0	240	-240	0	0	0	22	0	22
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	45,191	4,674	40,517	19,052	4,371	14,681	1,201	57,970	-56,769	1,097	1,194	-97	1,668	0	1,668
Finished Leaded Motor Gasoline	7,877	1,109	6,768	4,804	1,250	3,554	454	11,186	-10,732	330	630	-300	710	0	710
Finished Unleaded Motor Gasoline	37,314	3,565	33,749	14,248	3,121	11,127	747	46,784	-46,037	767	564	203	958	0	958
Finished Aviation Gasoline	215	7	208	113	22	91	0	321	-321	22	0	22	0	0	0
Naphtha-Type Jet Fuel	423	0	423	97	0	97	0	671	-671	0	206	-206	357	0	357
Kerosene-Type Jet Fuel	10,914	355	10,559	2,689	1,062	1,627	168	13,315	-13,147	750	44	706	255	0	255
Kerosene	274	6	268	40	121	-81	99	286	-187	0	0	0	0	0	0
Distillate Fuel Oil	15,911	1,879	14,032	8,261	1,241	7,020	454	21,860	-21,406	245	456	-211	565	0	565
Residual Fuel Oil	672	0	672	0	296	-296	296	672	-376	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	47	97	-50	94	40	54	18	22	-4	0	0	0	0	0	0
Special Naphthas	192	4	188	175	30	145	34	367	-333	0	0	0	0	0	0
Lubricants	584	51	533	424	55	369	60	1,037	-977	0	0	0	75	0	75
Waxes	7	0	7	0	0	0	0	7	-7	0	0	0	0	0	0
Asphalt and Road Oil	623	0	623	468	245	223	46	892	-846	0	0	0	0	0	0
Miscellaneous Products	39	14	25	158	0	158	14	197	-183	0	0	0	0	0	0
Total	**79,597**	**7,126**	**72,471**	**89,551**	**15,204**	**74,347**	**25,203**	**153,013**	**-127,810**	**2,852**	**9,547**	**-6,695**	**2,942**	**15,255**	**-12,313**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, October 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,664**	**0**	**1,664**	**51,063**	**2,976**	**48,087**	**18,996**	**45,673**	**-26,677**	**584**	**7,215**	**-6,631**	**0**	**16,443**	**-16,443**
Petroleum Products	**87,265**	**7,503**	**79,762**	**40,072**	**12,709**	**27,363**	**7,440**	**116,135**	**-108,695**	**2,077**	**3,375**	**-1,298**	**2,908**	**40**	**2,868**
Pentanes Plus	0	0	0	1,021	248	773	365	944	-579	0	194	-194	0	0	0
Liquefied Petroleum Gases	3,143	0	3,143	6,556	4,372	2,184	4,466	8,421	-3,955	64	1,436	-1,372	0	0	0
Unfinished Oils	139	0	139	44	0	44	0	291	-291	0	0	0	108	0	108
Blending Components															
Motor Gasoline	320	40	280	107	174	-67	0	213	-213	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	48,529	4,771	43,758	20,171	4,604	15,567	1,430	62,306	-60,876	1,034	1,147	-113	1,664	0	1,664
Finished Leaded Motor Gasoline	8,531	1,219	7,312	4,997	1,097	3,900	425	12,055	-11,630	260	575	-315	733	0	733
Finished Unleaded Motor Gasoline	39,998	3,552	36,446	15,174	3,507	11,667	1,005	50,251	-49,246	774	572	202	931	0	931
Finished Aviation Gasoline	209	0	209	120	18	102	0	329	-329	18	0	18	0	0	0
Naphtha-Type Jet Fuel	703	0	703	76	0	76	0	998	-998	0	177	-177	396	0	396
Kerosene-Type Jet Fuel	11,446	320	11,126	3,720	960	2,760	45	14,810	-14,765	705	46	659	220	0	220
Kerosene	855	58	797	58	141	-83	100	814	-714	0	0	0	0	0	0
Distillate Fuel Oil	19,971	2,170	17,801	7,176	1,432	5,744	537	24,459	-23,922	256	375	-119	496	0	496
Residual Fuel Oil	404	0	404	0	346	-346	327	385	-58	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	48	91	-43	95	25	70	9	36	-27	0	0	0	0	0	0
Special Naphthas	277	0	277	144	0	144	0	421	-421	0	0	0	0	0	0
Lubricants	645	38	607	320	111	209	97	897	-800	0	0	0	24	40	-16
Waxes	5	0	5	0	0	0	0	5	-5	0	0	0	0	0	0
Asphalt and Road Oil	535	0	535	464	278	186	49	770	-721	0	0	0	0	0	0
Miscellaneous Products	36	15	21	0	0	0	15	36	-21	0	0	0	0	0	0
Total	**88,929**	**7,503**	**81,426**	**91,135**	**15,685**	**75,450**	**26,436**	**161,808**	**-135,372**	**2,661**	**10,590**	**-7,929**	**2,908**	**16,483**	**-13,575**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, November 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**739**	**0**	**739**	**49,663**	**2,760**	**46,903**	**23,180**	**43,698**	**-20,518**	**681**	**7,986**	**-7,305**	**0**	**19,819**	**-19,819**
Petroleum Products	**87,560**	**7,242**	**80,318**	**40,152**	**12,780**	**27,372**	**7,071**	**116,400**	**-109,329**	**2,242**	**3,811**	**-1,569**	**3,208**	**0**	**3,208**
Pentanes Plus	0	0	0	1,130	217	913	353	1,055	-702	0	211	-211	0	0	0
Liquefied Petroleum Gases	3,503	0	3,503	7,119	4,945	2,174	4,498	8,916	-4,418	114	1,373	-1,259	0	0	0
Unfinished Oils	160	0	160	0	0	0	0	266	-266	0	0	0	106	0	106
Blending Components															
Motor Gasoline	323	10	313	10	147	-137	0	176	-176	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	46,480	4,595	41,885	18,013	4,462	13,551	1,223	58,167	-56,944	1,035	1,370	-335	1,843	0	1,843
Finished Leaded Motor Gasoline	7,780	1,109	6,671	4,402	1,098	3,304	354	10,697	-10,343	290	722	-432	800	0	800
Finished Unleaded Motor Gasoline	38,700	3,486	35,214	13,611	3,364	10,247	869	47,470	-46,601	745	648	97	1,043	0	1,043
Finished Aviation Gasoline	146	12	134	61	9	52	0	195	-195	9	0	9	0	0	0
Naphtha-Type Jet Fuel	746	0	746	123	0	123	0	1,020	-1,020	0	204	-204	355	0	355
Kerosene-Type Jet Fuel	10,863	302	10,561	3,901	1,151	2,750	168	14,405	-14,237	827	80	747	179	0	179
Kerosene	1,251	47	1,204	47	127	-80	99	1,223	-1,124	0	0	0	0	0	0
Distillate Fuel Oil	21,744	2,040	19,704	8,641	1,375	7,266	404	27,718	-27,314	257	573	-316	660	0	660
Residual Fuel Oil	1,169	0	1,169	0	194	-194	170	1,145	-975	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	39	107	-68	107	20	87	18	37	-19	0	0	0	0	0	0
Special Naphthas	261	0	261	185	0	185	0	446	-446	0	0	0	0	0	0
Lubricants	577	115	462	498	46	452	124	1,103	-979	0	0	0	65	0	65
Waxes	2	0	2	0	0	0	0	2	-2	0	0	0	0	0	0
Asphalt and Road Oil	267	0	267	227	87	140	0	407	-407	0	0	0	0	0	0
Miscellaneous Products	29	14	15	90	0	90	14	119	-105	0	0	0	0	0	0
Total	**88,299**	**7,242**	**81,057**	**89,815**	**15,540**	**74,275**	**30,251**	**160,098**	**-129,847**	**2,923**	**11,797**	**-8,874**	**3,208**	**19,819**	**-16,611**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,729**	**0**	**2,729**	**51,004**	**3,210**	**47,794**	**24,487**	**45,472**	**-20,985**	**715**	**7,781**	**-7,066**	**0**	**22,472**	**-22,472**
Petroleum Products	**94,025**	**7,214**	**86,811**	**36,882**	**13,304**	**23,578**	**8,393**	**119,759**	**-111,366**	**1,880**	**3,929**	**-2,049**	**3,066**	**40**	**3,026**
Pentanes Plus	0	0	0	1,450	216	1,234	357	1,375	-1,018	0	216	-216	0	0	0
Liquefied Petroleum Gases	3,911	0	3,911	6,922	5,239	1,683	5,097	9,243	-4,146	199	1,647	-1,448	0	0	0
Unfinished Oils	153	0	153	0	0	0	0	153	-153	0	0	0	0	0	0
Blending Components															
Motor Gasoline	197	50	147	65	158	-93	0	54	-54	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	48,455	4,756	43,699	16,562	4,253	12,309	1,389	58,786	-57,397	821	1,305	-484	1,873	0	1,873
Finished Leaded Motor Gasoline	7,504	1,115	6,389	3,745	968	2,777	400	9,894	-9,494	184	583	-399	727	0	727
Finished Unleaded Motor Gasoline	40,951	3,641	37,310	12,817	3,285	9,532	989	48,892	-47,903	637	722	-85	1,146	0	1,146
Finished Aviation Gasoline	210	9	201	121	9	112	0	322	-322	9	0	9	0	0	0
Naphtha-Type Jet Fuel	336	0	336	130	137	-7	137	609	-472	0	231	-231	374	0	374
Kerosene-Type Jet Fuel	11,293	303	10,990	3,961	959	3,002	89	14,858	-14,769	682	62	620	157	0	157
Kerosene	1,117	74	1,043	74	141	-67	99	1,075	-976	0	0	0	0	0	0
Distillate Fuel Oil	26,398	1,823	24,575	6,751	1,209	5,542	452	30,852	-30,400	169	468	-299	582	0	582
Residual Fuel Oil	268	0	268	0	658	-658	607	217	390	0	0	0	0	0	0
Naphtha and Other Oils for Petro. Feed. Use	25	92	-67	114	52	62	27	22	5	0	0	0	0	0	0
Special Naphthas	184	0	184	159	0	159	0	356	-356	0	0	0	13	0	13
Lubricants	558	82	476	419	100	319	114	936	-822	0	0	0	67	40	27
Waxes	9	0	9	0	0	0	0	9	-9	0	0	0	0	0	0
Asphalt and Road Oil	816	0	816	154	164	-10	0	806	-806	0	0	0	0	0	0
Miscellaneous Products	95	25	70	0	9	-9	25	86	-61	0	0	0	0	0	0
Total	**96,754**	**7,214**	**89,540**	**87,886**	**16,514**	**71,372**	**32,880**	**165,231**	**-132,351**	**2,595**	**11,710**	**-9,115**	**3,066**	**22,512**	**-19,446**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, January, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,283**	**281**	**4,564**	**2,202**	**-125**	**227**	**2,304**	**687**	**5,491**	**3,681**	**233**	**10**	**10,102**	**339**	**11,222**	**28,531**
0.00 to 0.30% Sulfur	1,196	59	1,255	76	0	2	78	104	159	866	49	5	1,183	47	797	3,360
0.31 to 1.00% Sulfur	1,997	0	1,997	540	0	176	716	381	1,018	188	143	5	1,735	34	3,106	7,588
Greater Than 1.00% Sulfur	1,090	222	1,312	1,586	-125	49	1,510	202	4,314	2,627	41	0	7,184	258	7,319	17,583

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, February, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,154**	**205**	**4,359**	**1,769**	**221**	**204**	**2,194**	**574**	**3,513**	**2,903**	**185**	**8**	**7,183**	**288**	**9,081**	**23,105**
0.00 to 0.30% Sulfur	1,089	41	1,130	60	0	0	60	82	92	600	43	5	822	27	667	2,706
0.31 to 1.00% Sulfur	1,679	0	1,679	471	13	142	626	353	520	211	106	3	1,193	34	1,842	5,374
Greater Than 1.00% Sulfur	1,386	164	1,550	1,238	208	62	1,508	139	2,901	2,092	36	0	5,168	227	6,572	15,025

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, March, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt	West Coast	
Residual Fuel Oil	**4,975**	**265**	**5,240**	**1,881**	**291**	**177**	**2,349**	**533**	**3,476**	**3,119**	**169**	**10**	**7,307**	**358**	**11,495**	**26,749**
0.00 to 0.30% Sulfur	946	45	991	76	0	0	76	58	168	712	50	6	994	66	606	2,733
0.31 to 1.00% Sulfur	2,918	0	2,918	439	0	100	539	365	779	253	89	4	1,490	52	2,210	7,209
Greater Than 1.00% Sulfur	1,111	220	1,331	1,366	291	77	1,734	110	2,529	2,154	30	0	4,823	240	8,679	16,807

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, April, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,571**	**133**	**3,704**	**1,480**	**205**	**208**	**1,893**	**434**	**4,294**	**2,361**	**135**	**11**	**7,235**	**329**	**11,779**	**24,940**
0.00 to 0.30% Sulfur	898	22	920	86	0	0	86	63	29	723	43	6	864	69	843	2,782
0.31 to 1.00% Sulfur	2,162	0	2,162	333	0	148	481	323	946	305	44	5	1,623	39	2,161	6,466
Greater Than 1.00% Sulfur	511	111	622	1,061	205	60	1,326	48	3,319	1,333	48	0	4,748	221	8,775	15,692

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, May, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,926**	**84**	**4,010**	**1,600**	**197**	**169**	**1,966**	**496**	**5,063**	**2,327**	**241**	**12**	**8,139**	**216**	**10,859**	**25,190**
0.00 to 0.30% Sulfur	910	32	942	101	0	0	101	69	299	555	54	7	984	64	1,203	3,294
0.31 to 1.00% Sulfur	2,318	0	2,318	464	0	123	587	339	1,141	142	124	5	1,751	-44	1,730	6,342
Greater Than 1.00% Sulfur	698	52	750	1,035	197	46	1,278	88	3,623	1,630	63	0	5,404	196	7,926	15,554

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, June, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,289**	**65**	**4,354**	**1,354**	**225**	**177**	**1,756**	**512**	**5,661**	**3,496**	**193**	**14**	**9,876**	**274**	**9,662**	**25,922**
0.00 to 0.30% Sulfur	862	25	887	78	0	0	78	84	234	964	53	7	1,342	53	1,027	3,387
0.31 to 1.00% Sulfur	2,412	0	2,412	298	0	128	426	339	750	483	84	7	1,663	9	1,917	6,427
Greater Than 1.00% Sulfur	1,015	40	1,055	978	225	49	1,252	89	4,677	2,049	56	0	6,871	212	6,718	16,108

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, July, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,144**	**76**	**4,220**	**1,564**	**241**	**128**	**1,933**	**439**	**5,895**	**3,985**	**201**	**16**	**10,536**	**247**	**10,989**	**27,925**
0.00 to 0.30% Sulfur	846	31	877	104	0	0	104	72	192	1,173	72	8	1,517	33	1,038	3,569
0.31 to 1.00% Sulfur	2,621	0	2,621	359	0	78	437	304	1,120	371	68	8	1,871	-30	1,873	6,772
Greater Than 1.00% Sulfur	677	45	722	1,101	241	50	1,392	63	4,583	2,441	61	0	7,148	244	8,078	17,584

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, August, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,162**	**62**	**4,224**	**1,566**	**256**	**116**	**1,938**	**451**	**4,999**	**3,618**	**255**	**14**	**9,337**	**339**	**11,494**	**27,332**
0.00 to 0.30% Sulfur	710	22	732	90	0	0	90	69	121	917	76	6	1,189	35	1,276	3,322
0.31 to 1.00% Sulfur	2,687	0	2,687	348	0	66	414	307	2,075	306	112	8	2,808	17	1,614	7,540
Greater Than 1.00% Sulfur	765	40	805	1,128	256	50	1,434	75	2,803	2,395	67	0	5,340	287	8,604	16,470

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, September, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,660**	**71**	**3,731**	**1,398**	**225**	**103**	**1,726**	**473**	**5,372**	**3,575**	**216**	**13**	**9,649**	**347**	**11,674**	**27,127**
0.00 to 0.30% Sulfur	706	25	731	67	0	0	67	69	115	972	78	4	1,238	36	1,141	3,213
0.31 to 1.00% Sulfur	2,640	0	2,640	337	0	72	409	328	1,420	258	97	9	2,112	6	2,108	7,275
Greater Than 1.00% Sulfur	314	46	360	994	225	31	1,250	76	3,837	2,345	41	0	6,299	305	8,425	16,639

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, October, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,366**	**68**	**3,434**	**1,299**	**234**	**118**	**1,651**	**454**	**5,789**	**3,470**	**279**	**14**	**10,006**	**288**	**12,113**	**27,492**
0.00 to 0.30% Sulfur	202	9	211	96	0	0	96	56	174	999	73	5	1,307	54	1,244	2,912
0.31 to 1.00% Sulfur	2,508	0	2,508	371	0	97	468	324	1,263	234	163	9	1,993	-7	2,163	7,125
Greater Than 1.00% Sulfur	656	59	715	832	234	21	1,087	74	4,352	2,237	43	0	6,706	241	8,706	17,455

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, November, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,186**	**61**	**3,247**	**1,989**	**242**	**141**	**2,372**	**494**	**5,146**	**3,950**	**264**	**15**	**9,869**	**301**	**12,058**	**27,847**
0.00 to 0.30% Sulfur	-70	6	-64	92	0	0	92	71	364	871	77	15	1,398	61	1,266	2,753
0.31 to 1.00% Sulfur	2,170	55	2,225	617	0	80	697	339	925	396	129	0	1,789	-20	1,244	5,935
Greater Than 1.00% Sulfur	1,086	0	1,086	1,280	242	61	1,583	84	3,857	2,683	58	0	6,682	260	9,548	19,159

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, December 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,863**	**95**	**4,958**	**1,866**	**211**	**126**	**2,203**	**528**	**6,329**	**3,995**	**329**	**9**	**11,190**	**359**	**12,331**	**31,041**
0.00 to 0.30% Sulfur	1,046	15	1,061	94	0	0	94	88	450	806	74	2	1,420	66	908	3,549
0.31 to 1.00% Sulfur	3,423	80	3,503	308	0	82	390	285	1,326	334	202	7	2,154	9	956	7,012
Greater Than 1.00% Sulfur	394	0	394	1,464	211	44	1,719	155	4,553	2,855	53	0	7,616	284	10,467	20,480

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, January 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	630	68	698	69	0	2	71	45	119	497	3	12	676	97	670	2,212
Bulk Terminal	--	--	4,846	--	--	--	46	--	--	--	--	--	67	0	0	4,959
Total	**--**	**--**	**5,544**	**--**	**--**	**--**	**117**	**--**	**--**	**--**	**--**	**--**	**743**	**97**	**670**	**7,171**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	999	0	999	328	4	60	392	91	708	167	100	8	1,074	56	1,080	3,601
Bulk Terminal	--	--	6,995	--	--	--	240	--	--	--	--	--	2,516	0	378	10,129
Total	**--**	**--**	**7,994**	**--**	**--**	**--**	**632**	**--**	**--**	**--**	**--**	**--**	**3,590**	**56**	**1,458**	**13,730**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	853	47	900	1,120	230	48	1,398	177	3,203	1,505	49	0	4,934	164	4,617	12,013
Bulk Terminal	--	--	7,039	--	--	--	701	--	--	--	--	--	2,626	0	1,450	11,816
Total	**--**	**--**	**7,939**	**--**	**--**	**--**	**2,099**	**--**	**--**	**--**	**--**	**--**	**7,560**	**164**	**6,067**	**23,829**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, February 28, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	542	63	605	79	0	0	79	37	79	910	3	13	1,042	80	738	2,544
Bulk Terminal	--	--	3,660	--	--	--	79	--	--	--	--	--	29	0	0	3,768
Total	**--**	**--**	**4,265**	**--**	**--**	**--**	**158**	**--**	**--**	**--**	**--**	**--**	**1,071**	**80**	**738**	**6,312**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,033	0	1,033	324	4	86	414	82	578	134	117	8	919	51	1,187	3,604
Bulk Terminal	--	--	5,389	--	--	--	237	--	--	--	--	--	2,111	0	381	8,118
Total	**--**	**--**	**6,422**	**--**	**--**	**--**	**651**	**--**	**--**	**--**	**--**	**--**	**3,030**	**51**	**1,568**	**11,722**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	839	26	865	1,062	156	48	1,266	192	2,650	1,265	51	0	4,158	170	3,750	10,209
Bulk Terminal	--	--	5,849	--	--	--	596	--	--	--	--	--	2,105	0	1,229	9,779
Total	**--**	**--**	**6,714**	**--**	**--**	**--**	**1,862**	**--**	**--**	**--**	**--**	**--**	**6,263**	**170**	**4,979**	**19,988**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, March 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	433	57	490	55	0	0	55	14	99	609	3	9	734	85	588	1,952
Bulk Terminal	--	--	3,429	--	--	--	143	--	--	--	--	--	137	0	0	3,709
Total	**--**	**--**	**3,919**	**--**	**--**	**--**	**198**	**--**	**--**	**--**	**--**	**--**	**871**	**85**	**588**	**5,661**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,252	0	1,252	398	4	68	470	97	633	102	120	8	960	62	1,013	3,757
Bulk Terminal	--	--	5,335	--	--	--	246	--	--	--	--	--	2,732	0	383	8,696
Total	**--**	**--**	**6,587**	**--**	**--**	**--**	**716**	**--**	**--**	**--**	**--**	**--**	**3,692**	**62**	**1,396**	**12,453**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	858	36	894	1,164	207	78	1,449	202	2,698	1,345	47	0	4,292	208	4,752	11,595
Bulk Terminal	--	--	5,280	--	--	--	702	--	--	--	--	--	1,783	0	1,761	9,526
Total	**--**	**--**	**6,174**	**--**	**--**	**--**	**2,151**	**--**	**--**	**--**	**--**	**--**	**6,075**	**208**	**6,513**	**21,121**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, April 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	289	62	351	64	0	0	64	25	48	797	2	8	880	96	582	1,973
Bulk Terminal	--	--	4,635	--	--	--	113	--	--	--	--	--	51	0	0	4,799
Total	**--**	**--**	**4,986**	**--**	**--**	**--**	**177**	**--**	**--**	**--**	**--**	**--**	**931**	**96**	**582**	**6,772**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,098	0	1,098	342	4	53	399	86	392	131	77	2	688	87	1,219	3,491
Bulk Terminal	--	--	4,436	--	--	--	255	--	--	--	--	--	1,724	0	231	6,646
Total	**--**	**--**	**5,534**	**--**	**--**	**--**	**654**	**--**	**--**	**--**	**--**	**--**	**2,412**	**87**	**1,450**	**10,137**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	635	6	641	1,266	244	54	1,564	155	2,284	1,219	51	0	3,709	217	3,968	10,099
Bulk Terminal	--	--	4,430	--	--	--	690	--	--	--	--	--	2,229	0	1,385	8,734
Total	**--**	**--**	**5,071**	**--**	**--**	**--**	**2,254**	**--**	**--**	**--**	**--**	**--**	**5,938**	**217**	**5,353**	**18,833**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, May 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	478	52	530	74	0	0	74	34	248	1,069	3	9	1,363	109	657	2,733
Bulk Terminal	--	--	4,444	--	--	--	145	--	--	--	--	--	273	0	0	4,862
Total	**--**	**--**	**4,974**	**--**	**--**	**--**	**219**	**--**	**--**	**--**	**--**	**--**	**1,636**	**109**	**657**	**7,595**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,356	0	1,356	365	4	69	438	97	665	105	114	2	983	42	1,401	4,220
Bulk Terminal	--	--	5,064	--	--	--	281	--	--	--	--	--	2,075	0	454	7,874
Total	**--**	**--**	**6,420**	**--**	**--**	**--**	**719**	**--**	**--**	**--**	**--**	**--**	**3,058**	**42**	**1,855**	**12,094**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	704	13	717	1,121	227	60	1,408	151	2,652	1,642	68	0	4,513	180	4,081	10,899
Bulk Terminal	--	--	5,828	--	--	--	491	--	--	--	--	--	1,900	0	1,329	9,548
Total	**--**	**--**	**6,545**	**--**	**--**	**--**	**1,899**	**--**	**--**	**--**	**--**	**--**	**6,413**	**180**	**5,410**	**20,447**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, June 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	442	55	497	81	0	0	81	40	180	810	4	5	1,039	103	624	2,344
Bulk Terminal	--	--	4,770	--	--	--	157	--	--	--	--	--	33	0	0	4,960
Total	**--**	**--**	**5,267**	**--**	**--**	**--**	**238**	**--**	**--**	**--**	**--**	**--**	**1,072**	**103**	**624**	**7,304**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,243	0	1,243	278	4	60	342	84	502	252	61	3	902	51	1,110	3,648
Bulk Terminal	--	--	5,363	--	--	--	227	--	--	--	--	--	2,384	0	292	8,266
Total	**--**	**--**	**6,606**	**--**	**--**	**--**	**569**	**--**	**--**	**--**	**--**	**--**	**3,286**	**51**	**1,402**	**11,914**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	668	11	679	1,157	302	65	1,524	115	3,118	1,840	84	0	5,157	213	3,774	11,347
Bulk Terminal	--	--	6,671	--	--	--	414	--	--	--	--	--	2,059	0	1,481	10,625
Total	**--**	**--**	**7,350**	**--**	**--**	**--**	**1,938**	**--**	**--**	**--**	**--**	**--**	**7,216**	**213**	**5,255**	**21,972**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, July 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	603	56	659	81	0	0	81	36	276	1,123	10	5	1,450	75	716	2,981
Bulk Terminal	--	--	4,804	--	--	--	149	--	--	--	--	--	44	0	0	4,997
Total	**--**	**--**	**5,463**	**--**	**--**	**--**	**230**	**--**	**--**	**--**	**--**	**--**	**1,494**	**75**	**716**	**7,978**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,364	0	1,364	321	4	29	354	39	645	246	85	4	1,019	21	1,021	3,779
Bulk Terminal	--	--	5,821	--	--	--	213	--	--	--	--	--	3,286	0	337	9,657
Total	**--**	**--**	**7,185**	**--**	**--**	**--**	**567**	**--**	**--**	**--**	**--**	**--**	**4,305**	**21**	**1,358**	**13,436**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	664	11	675	1,240	283	71	1,594	99	3,434	2,101	82	0	5,716	246	4,258	12,489
Bulk Terminal	--	--	6,495	--	--	--	487	--	--	--	--	--	1,885	0	1,805	10,672
Total	**--**	**--**	**7,170**	**--**	**--**	**--**	**2,081**	**--**	**--**	**--**	**--**	**--**	**7,601**	**246**	**6,063**	**23,161**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, August 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	681	59	740	113	0	0	113	38	144	1,026	3	8	1,219	56	725	2,853
Bulk Terminal	--	--	5,581	--	--	--	187	--	--	--	--	--	41	0	0	5,809
Total	**--**	**--**	**6,321**	**--**	**--**	**--**	**300**	**--**	**--**	**--**	**--**	**--**	**1,260**	**56**	**725**	**8,662**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,238	0	1,238	356	4	35	395	48	805	293	56	8	1,210	38	1,338	4,219
Bulk Terminal	--	--	5,818	--	--	--	302	--	--	--	--	--	2,246	0	586	8,952
Total	**--**	**--**	**7,056**	**--**	**--**	**--**	**697**	**--**	**--**	**--**	**--**	**--**	**3,456**	**38**	**1,924**	**13,171**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	1,014	11	1,025	1,313	261	79	1,653	115	3,448	1,796	79	0	5,438	324	4,154	12,594
Bulk Terminal	--	--	6,848	--	--	--	384	--	--	--	--	--	1,914	0	1,853	10,999
Total	**--**	**--**	**7,873**	**--**	**--**	**--**	**2,037**	**--**	**--**	**--**	**--**	**--**	**7,352**	**324**	**6,007**	**23,593**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, September 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	312	53	365	103	0	0	103	36	151	947	4	10	1,148	51	651	2,318
Bulk Terminal	--	--	5,210	--	--	--	105	--	--	--	--	--	30	0	0	5,345
Total	**--**	**--**	**5,575**	**--**	**--**	**--**	**208**	**--**	**--**	**--**	**--**	**--**	**1,178**	**51**	**651**	**7,663**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,526	0	1,526	392	4	65	461	94	672	130	79	7	982	44	1,419	4,432
Bulk Terminal	--	--	5,505	--	--	--	240	--	--	--	--	--	2,154	0	422	8,321
Total	**--**	**--**	**7,031**	**--**	**--**	**--**	**701**	**--**	**--**	**--**	**--**	**--**	**3,136**	**44**	**1,841**	**12,753**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	660	21	681	1,232	267	73	1,572	122	3,011	1,557	69	0	4,759	342	4,617	11,971
Bulk Terminal	--	--	7,899	--	--	--	396	--	--	--	--	--	1,765	0	1,671	11,731
Total	**--**	**--**	**8,580**	**--**	**--**	**--**	**1,968**	**--**	**--**	**--**	**--**	**--**	**6,524**	**342**	**6,288**	**23,702**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, October 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	252	47	299	132	0	0	132	16	153	781	4	8	962	51	669	2,113
Bulk Terminal	--	--	4,582	--	--	--	54	--	--	--	--	--	22	0	0	4,658
Total	**--**	**--**	**4,881**	**--**	**--**	**--**	**186**	**--**	**--**	**--**	**--**	**--**	**984**	**51**	**669**	**6,771**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,203	0	1,203	295	4	90	389	72	681	247	120	6	1,126	37	1,264	4,019
Bulk Terminal	--	--	6,352	--	--	--	222	--	--	--	--	--	2,749	0	367	9,690
Total	**--**	**--**	**7,555**	**--**	**--**	**--**	**611**	**--**	**--**	**--**	**--**	**--**	**3,875**	**37**	**1,631**	**13,709**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	709	14	723	991	250	69	1,310	98	3,847	1,747	68	0	5,760	295	4,270	12,358
Bulk Terminal	--	--	8,061	--	--	--	395	--	--	--	--	--	2,418	0	1,639	12,513
Total	**--**	**--**	**8,784**	**--**	**--**	**--**	**1,705**	**--**	**--**	**--**	**--**	**--**	**8,178**	**295**	**5,909**	**24,871**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, November 30, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	14	45	59	48	0	0	48	49	256	1,138	4	16	1,463	48	882	2,500
Bulk Terminal	--	--	6,012	--	--	--	202	--	--	--	--	--	14	0	0	6,228
Total	**--**	**--**	**6,071**	**--**	**--**	**--**	**250**	**--**	**--**	**--**	**--**	**--**	**1,477**	**48**	**882**	**8,728**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,174	9	1,183	418	4	126	548	80	792	199	119	0	1,190	17	723	3,661
Bulk Terminal	--	--	6,181	--	--	--	267	--	--	--	--	--	2,733	0	556	9,737
Total	**--**	**--**	**7,364**	**--**	**--**	**--**	**815**	**--**	**--**	**--**	**--**	**--**	**3,923**	**17**	**1,279**	**13,398**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	1,552	0	1,552	1,121	277	96	1,494	110	3,108	2,311	78	0	5,607	308	5,799	14,760
Bulk Terminal	--	--	8,030	--	--	--	569	--	--	--	--	--	2,371	0	1,849	12,819
Total	**--**	**--**	**9,582**	**--**	**--**	**--**	**2,063**	**--**	**--**	**--**	**--**	**--**	**7,978**	**308**	**7,648**	**27,579**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, December 31, 1987
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian #1	Total	Ind., Ill., Ky. *	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	No. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	277	43	320	51	0	0	51	61	303	535	4	10	913	60	435	1,779
Bulk Terminal	--	--	6,375	--	--	--	176	--	--	--	--	--	0	0	0	6,551
Total	**--**	**--**	**6,695**	**--**	**--**	**--**	**227**	**--**	**--**	**--**	**--**	**--**	**913**	**60**	**435**	**8,330**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,790	24	1,814	322	4	137	463	54	871	213	114	7	1,259	26	515	4,077
Bulk Terminal	--	--	7,128	--	--	--	220	--	--	--	--	--	2,720	0	281	10,349
Total	**--**	**--**	**8,942**	**--**	**--**	**--**	**683**	**--**	**--**	**--**	**--**	**--**	**3,979**	**26**	**796**	**14,426**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	1,120	0	1,120	1,092	281	89	1,462	157	2,550	1,607	91	0	4,405	301	5,302	12,590
Bulk Terminal	--	--	6,362	--	--	--	666	--	--	--	--	--	3,195	0	1,643	11,866
Total	**--**	**--**	**7,482**	**--**	**--**	**--**	**2,128**	**--**	**--**	**--**	**--**	**--**	**7,600**	**301**	**6,945**	**24,456**

* Effective January 1987 "Appalachian #2" is combined with "Ind., Ill., Ky.".
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, January 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**102**	**564**	**0**	**988**	**345**	**470**	**173**	**9**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	75	75	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	102	564	0	913	270	470	173	9	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, February 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**36**	**461**	**0**	**338**	**250**	**0**	**88**	**315**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	250	250	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	36	461	0	88	0	0	88	315	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, March 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**68**	**85**	**0**	**395**	**0**	**271**	**124**	**32**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	47	0	0	47	32	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	68	85	0	298	0	221	77	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, April 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**70**	**114**	**0**	**219**	**0**	**219**	**0**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	70	114	0	219	0	219	0	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, May 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**17**	**292**	**0**	**75**	**0**	**0**	**75**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	75	0	0	75	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	17	292	0	0	0	0	0	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, June 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**43**	**0**	**0**	**144**	**0**	**458**	**0**	**386**	**72**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	43	0	0	144	0	458	0	386	72	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, July 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**0**	**207**	**0**	**128**	**0**	**0**	**128**	**39**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	132	0	50	0	0	50	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	0	75	0	78	0	0	78	39	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, August 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**101**	**346**	**0**	**1,081**	**0**	**854**	**227**	**33**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	79	0	0	79	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	101	346	0	1,002	0	854	148	33	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, September 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**0**	**296**	**0**	**672**	**270**	**0**	**402**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	0	296	0	672	270	0	402	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, October 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**19**	**327**	**0**	**385**	**0**	**0**	**385**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	213	0	0	213	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	19	260	0	172	0	0	172	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, November 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**24**	**170**	**0**	**1,145**	**0**	**603**	**542**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	240	0	119	121	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	308	0	0	308	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	24	170	0	597	0	484	113	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, December 1987
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New Eng	Cent Atl	Low Atl	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**51**	**607**	**0**	**217**	**80**	**0**	**137**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	51	607	0	217	80	0	137	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, January 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,210	0	0	1,210
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,210	0	0	1,210
Other OPEC				
Ecuador	0	0	292	292
Gabon	0	0	0	0
Indonesia	974	0	0	974
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	870	0	3,248	4,118
Subtotal Other OPEC	1,844	0	3,540	5,384
Other				
Angola	417	0	0	417
Australia	218	29	0	247
Bahamas	615	393	744	1,752
Bolivia	0	0	0	0
Brazil	296	0	0	296
Brunei	0	0	0	0
Canada	4	36	408	448
China, People's Republic	0	0	0	0
Congo	167	0	0	167
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	833	833
Netherlands	0	167	156	323
Netherlands Antilles	163	0	486	649
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	132	1,219	1,351
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	0	0
Syria	0	0	0	0
Trinidad	0	0	629	629
Tunisia	0	0	0	0
United Kingdom	0	160	0	160
Virgin Islands	1,590	1,087	1,499	4,176
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	486	0	1,417	1,903
Other Eastern Hemisphere	970	813	0	1,783
Other				
Subtotal Other	4,926	2,817	7,391	15,134
Total Imports	**7,980**	**2,817**	**10,931**	**21,728**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, February 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,670	0	0	1,670
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,670	0	0	1,670
Other OPEC				
Ecuador	0	0	60	60
Gabon	0	0	0	0
Indonesia	483	0	0	483
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	2,437	2,437
Subtotal Other OPEC	483	0	2,497	2,980
Other				
Angola	654	0	0	654
Australia	0	0	0	0
Bahamas	0	0	1,370	1,370
Bolivia	0	0	0	0
Brazil	621	271	0	892
Brunei	0	0	0	0
Canada	0	15	547	562
China, People's Republic	0	0	0	0
Congo	167	0	0	167
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	491	491
Netherlands	0	0	179	179
Netherlands Antilles	0	0	430	430
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	922	922
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	681	681
Syria	0	0	0	0
Trinidad	0	0	573	573
Tunisia	0	0	0	0
United Kingdom	0	0	0	0
Virgin Islands	1,345	900	1,614	3,859
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	400	497	897
Other Eastern Hemisphere	1,346	397	636	2,379
Other				
Subtotal Other	4,133	1,983	7,940	14,056

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, March 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,805	569	0	2,374
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,805	569	0	2,374
Other OPEC				
Ecuador	0	0	180	180
Gabon	0	0	0	0
Indonesia	590	0	0	590
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	1,109	1,109
Subtotal Other OPEC	590	0	1,289	1,879
Other				
Angola	375	0	0	375
Australia	0	52	0	52
Bahamas	0	235	802	1,037
Bolivia	0	0	0	0
Brazil	488	396	0	884
Brunei	0	0	0	0
Canada	0	16	248	264
China, People's Republic	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	706	706
Netherlands	0	0	0	0
Netherlands Antilles	50	0	398	448
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	589	589
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	138	0	786	924
Syria	0	0	0	0
Trinidad	0	0	1,849	1,849
Tunisia	0	0	0	0
United Kingdom	0	0	519	519
Virgin Islands	379	368	894	1,641
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	686	0	1,508	2,194
Other Eastern Hemisphere	722	520	350	1,592
Other				
Subtotal Other	2,838	1,587	8,649	13,074
Total Imports	**5,233**	**2,156**	**9,938**	**17,327**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, April 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,526	0	0	1,526
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,526	0	0	1,526
Other OPEC				
Ecuador	0	0	0	0
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	225	1,409	1,634
Subtotal Other OPEC	0	225	1,409	1,634
Other				
Angola	341	0	0	341
Australia	0	0	63	63
Bahamas	0	550	748	1,298
Bolivia	0	0	0	0
Brazil	277	0	0	277
Brunei	0	0	0	0
Canada	0	15	236	251
China, People's Republic	0	0	0	0
Congo	334	0	0	334
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	404	404
Netherlands	0	921	0	921
Netherlands Antilles	0	0	234	234
Norway	0	183	0	183
Oman	0	0	0	0
Peru	405	0	631	1,036
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	163	0	163
Syria	0	0	0	0
Trinidad	0	0	938	938
Tunisia	0	0	0	0
United Kingdom	0	0	0	0
Virgin Islands	697	498	1,123	2,318
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	1,338	1,338
Other Eastern Hemisphere	651	363	0	1,014
Other				
Subtotal Other	2,705	2,693	5,715	11,113

Tabie 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, May 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	867	0	0	867
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	867	0	0	867
Other OPEC				
Ecuador	0	0	34	34
Gabon	0	0	0	0
Indonesia	593	0	0	593
Iran	0	0	0	0
Nigeria	163	0	0	163
Venezuela	359	0	2,692	3,051
Subtotal Other OPEC	1,115	0	2,726	3,841
Other				
Angola	375	0	0	375
Australia	366	254	0	620
Bahamas	0	405	552	957
Bolivia	0	0	0	0
Brazil	638	0	0	638
Brunei	0	0	0	0
Canada	0	1	741	742
China, People's Republic	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	120	0	0	120
Mexico	0	0	280	280
Netherlands	0	255	0	255
Netherlands Antilles	0	199	201	400
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	721	721
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	841	841
Syria	0	0	0	0
Trinidad	0	0	844	844
Tunisia	0	0	0	0
United Kingdom	0	0	220	220
Virgin Islands	0	362	1,533	1,895
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	939	939
Other Eastern Hemisphere	272	815	0	1,087
Other				
Subtotal Other	1,771	2,291	6,872	10,934
Total Imports	**3,753**	**2,291**	**9,598**	**15,642**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, June 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,455	0	0	1,455
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,455	0	0	1,455
Other OPEC				
Ecuador	0	0	0	0
Gabon	0	0	0	0
Indonesia	217	0	0	217
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	1,167	1,167
Subtotal Other OPEC	217	0	1,167	1,384
Other				
Angola	0	0	0	0
Australia	59	0	0	59
Bahamas	0	245	426	671
Bolivia	0	0	0	0
Brazil	315	0	0	315
Brunei	0	0	0	0
Canada	31	163	329	523
China, People's Republic	0	0	0	0
Congo	167	0	0	167
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	0	0
Netherlands	0	738	0	738
Netherlands Antilles	0	0	0	0
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	886	886
Puerto Rico	0	0	0	0
Romania	0	0	140	140
Spain	0	0	945	945
Syria	0	0	0	0
Trinidad	0	0	891	891
Tunisia	0	0	0	0
United Kingdom	0	0	881	881
Virgin Islands	195	1,530	1,129	2,854
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	1,481	1,481
Other Eastern Hemisphere	165	0	872	1,037
Other				
Subtotal Other	932	2,676	7,980	11,588

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, July 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,757	0	0	1,757
Iraq	0	0	0	0
Kuwait	10	0	0	10
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	504	0	0	504
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,271	0	0	2,271
Other OPEC				
Ecuador	0	0	0	0
Gabon	0	0	0	0
Indonesia	240	0	0	240
Iran	0	0	0	0
Nigeria	343	0	0	343
Venezuela	0	0	2,090	2,090
Subtotal Other OPEC	583	0	2,090	2,673
Other				
Angola	343	0	0	343
Australia	0	0	0	0
Bahamas	0	248	1,181	1,429
Bolivia	0	0	0	0
Brazil	0	0	0	0
Brunei	0	0	0	0
Canada	95	138	849	1,082
China, People's Republic	0	0	0	0
Congo	165	0	0	165
Egypt	0	0	0	0
France	0	128	0	128
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	387	387
Netherlands	0	445	0	445
Netherlands Antilles	0	211	479	690
Norway	0	153	180	333
Oman	0	0	0	0
Peru	0	0	0	0
Puerto Rico	0	0	0	0
Romania	0	194	663	857
Spain	0	0	602	602
Syria	0	0	676	676
Trinidad	0	0	650	650
Tunisia	0	0	0	0
United Kingdom	0	566	1,049	1,615
Virgin Islands	0	1,829	2,015	3,844
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	1,130	1,130
Other Eastern Hemisphere	1,434	1,119	468	3,021
Other				
Subtotal Other	2,037	5,031	10,329	17,397
Total Imports	**4,891**	**5,031**	**12,419**	**22,341**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, August 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,641	0	0	2,641
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,641	0	0	2,641
Other OPEC				
Ecuador	0	0	0	0
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	199	0	0	199
Venezuela	0	0	1,726	1,726
Subtotal Other OPEC	199	0	1,726	1,925
Other				
Angola	414	0	0	414
Australia	0	255	0	255
Bahamas	0	0	636	636
Bolivia	0	0	0	0
Brazil	0	532	0	532
Brunei	0	0	0	0
Canada	304	106	340	750
China, People's Republic	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	108	0	0	108
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	0	0
Netherlands	0	0	0	0
Netherlands Antilles	0	580	610	1,190
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	636	636
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	295	295
Syria	0	0	324	324
Trinidad	0	0	665	665
Tunisia	0	0	0	0
United Kingdom	0	0	0	0
Virgin Islands	151	1,034	2,058	3,243
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	721	721
Other Eastern Hemisphere	691	654	201	1,546
Other				
Subtotal Other	1,668	3,161	6,486	11,315

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, September 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,272	180	433	2,885
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,272	180	433	2,885
Other OPEC				
Ecuador	0	0	0	0
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	1,690	1,690
Subtotal Other OPEC	0	0	1,690	1,690
Other				
Angola	342	0	0	342
Australia	0	0	0	0
Bahamas	0	0	1,143	1,143
Bolivia	0	0	0	0
Brazil	681	281	0	962
Brunei	0	0	0	0
Canada	47	70	535	652
China, People's Republic	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	167	0	0	167
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	0	0
Netherlands	0	0	0	0
Netherlands Antilles	202	364	231	797
Norway	0	0	200	200
Oman	0	0	0	0
Peru	0	0	591	591
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	274	753	1,027
Syria	0	0	0	0
Trinidad	0	0	772	772
Tunisia	0	0	0	0
United Kingdom	0	252	0	252
Virgin Islands	0	669	1,006	1,675
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	1,766	1,766
Other Eastern Hemisphere	537	334	0	871
Other				
Subtotal Other	1,976	2,244	6,997	11,217
Total Imports	**4,248**	**2,424**	**9,120**	**15,792**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, October 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,198	0	0	1,198
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,198	0	0	1,198
Other OPEC				
Ecuador	0	0	534	534
Gabon	0	0	0	0
Indonesia	112	0	0	112
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	2,667	2,667
Subtotal Other OPEC	112	0	3,201	3,313
Other				
Angola	323	0	0	323
Australia	0	0	0	0
Bahamas	0	0	723	723
Bolivia	0	0	0	0
Brazil	640	0	0	640
Brunei	0	0	0	0
Canada	0	0	356	356
China, People's Republic	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	637	637
Netherlands	239	0	0	239
Netherlands Antilles	0	0	500	500
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	563	563
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	278	278
Syria	0	0	0	0
Trinidad	0	0	772	772
Tunisia	0	0	0	0
United Kingdom	0	332	191	523
Virgin Islands	122	979	769	1,870
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	0	0
Other Eastern Hemisphere	441	0	465	906
Other				
Subtotal Other	1,765	1,311	5,254	8,330

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, November 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,582	0	0	2,582
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,582	0	0	2,582
Other OPEC				
Ecuador	0	0	233	233
Gabon	0	0	0	0
Indonesia	169	0	31	200
Iran	0	0	0	0
Nigeria	133	0	0	133
Venezuela	0	29	1,588	1,617
Subtotal Other OPEC	302	29	1,852	2,183
Other				
Angola	210	0	0	210
Australia	0	0	0	0
Bahamas	0	0	919	919
Bolivia	0	0	0	0
Brazil	611	239	22	872
Brunei	0	0	0	0
Canada	8	0	612	620
China, People's Republic	0	0	0	0
Congo	311	0	0	311
Egypt	0	0	0	0
France	0	228	0	228
Ghana	140	0	0	140
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	330	330
Netherlands	0	602	0	602
Netherlands Antilles	0	0	359	359
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	697	697
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	0	0
Syria	0	0	0	0
Trinidad	0	0	997	997
Tunisia	0	0	0	0
United Kingdom	0	196	0	196
Virgin Islands	0	1,277	1,432	2,709
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	204	871	1,075
Other Eastern Hemisphere	1,114	579	302	1,995
Other				
Subtotal Other	2,394	3,325	6,541	12,260
Total Imports	**5,278**	**3,354**	**8,393**	**17,025**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, December 1987
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,991	0	0	2,991
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	653	653
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,991	0	653	3,644
Other OPEC				
Ecuador	0	0	785	785
Gabon	0	0	0	0
Indonesia	35	25	0	60
Iran	0	0	0	0
Nigeria	0	208	0	208
Venezuela	0	0	2,472	2,472
Subtotal Other OPEC	35	233	3,257	3,525
Other				
Angola	346	0	0	346
Australia	0	0	0	0
Bahamas	0	0	317	317
Bolivia	0	0	0	0
Brazil	330	0	0	330
Brunei	0	0	0	0
Canada	352	0	1,028	1,380
China, People's Republic	0	0	0	0
Congo	0	127	0	127
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	466	466
Netherlands	35	314	0	349
Netherlands Antilles	0	0	729	729
Norway	0	282	0	282
Oman	0	0	0	0
Peru	0	221	1,060	1,281
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	189	437	626
Syria	0	0	0	0
Trinidad	0	0	0	0
Tunisia	0	183	0	183
United Kingdom	0	720	0	720
Virgin Islands	155	2,168	1,733	4,056
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	303	0	0	303
Other Eastern Hemisphere	900	591	0	1,491
Other				
Subtotal Other	2,421	4,795	5,770	12,986

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, January 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**7,656**	**2,752**	**10,297**	**20,705**
Connecticut	204	0	114	318
Florida	0	155	855	1,010
Georgia	0	0	140	140
Maine	226	209	608	1,043
Maryland	0	0	433	433
Massachusetts	170	388	2,671	3,229
New Hampshire	0	0	120	120
New Jersey	1,084	172	959	2,215
New York	5,883	764	2,942	9,589
North Carolina	0	0	339	339
Pennsylvania	89	282	267	638
Rhode Island	0	132	0	132
South Carolina	0	0	141	141
Vermont	0	0	18	18
Virginia	0	650	690	1,340
PAD District II	**2**	**36**	**42**	**80**
Michigan	0	36	0	36
Minnesota	0	0	2	2
North Dakota	2	0	27	29
Ohio	0	0	13	13
PAD District III	**218**	**29**	**591**	**838**
Louisiana	0	0	591	591
Texas	218	29	0	247
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**104**	**0**	**0**	**104**
Hawaii	104	0	0	104
All PAD Districts	**7,980**	**2,817**	**10,931**	**21,728**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, February 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**6,286**	**1,983**	**9,323**	**17,592**
Connecticut	0	132	0	132
Florida	0	0	569	569
Georgia	0	0	128	128
Maine	0	0	249	249
Massachusetts	0	575	2,818	3,393
New Jersey	1,345	0	979	2,324
New York	4,941	342	2,308	7,591
North Carolina	0	0	594	594
Pennsylvania	0	212	758	970
Rhode Island	0	90	35	125
South Carolina	0	0	251	251
Vermont	0	0	22	22
Virginia	0	632	612	1,244
PAD District II	**0**	**0**	**23**	**23**
Minnesota	0	0	6	6
North Dakota	0	0	16	16
Ohio	0	0	1	1
PAD District III	**0**	**0**	**841**	**841**
Alabama	0	0	234	234
Louisiana	0	0	387	387
Texas	0	0	220	220
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**0**	**0**	**249**	**249**
Hawaii	0	0	249	249
All PAD Districts	**6,286**	**1,983**	**10,437**	**18,706**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, March 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**4,586**	**2,088**	**9,331**	**16,005**
Connecticut	0	50	0	50
Delaware	0	185	291	476
Florida	0	0	679	679
Georgia	0	0	45	45
Maine	0	0	832	832
Massachusetts	138	253	1,182	1,573
New Hampshire	0	0	200	200
New Jersey	1,265	276	1,254	2,795
New York	3,133	746	3,564	7,443
North Carolina	0	0	199	199
Pennsylvania	0	368	430	798
Rhode Island	0	210	0	210
South Carolina	0	0	162	162
Vermont	0	0	22	22
Virginia	50	0	471	521
PAD District II	**0**	**16**	**54**	**70**
Michigan	0	16	15	31
Minnesota	0	0	9	9
North Dakota	0	0	30	30
PAD District III	**365**	**0**	**551**	**916**
Alabama	0	0	378	378
Texas	365	0	173	538
PAD District IV	**0**	**0**	**2**	**2**
Montana	0	0	2	2
PAD District V	**282**	**52**	**0**	**334**
Hawaii	282	52	0	334
All PAD Districts	**5,233**	**2,156**	**9,938**	**17,327**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, April 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,532**	**2,903**	**7,043**	**13,478**
Florida	0	684	687	1,371
Maine	0	491	603	1,094
Massachusetts	0	142	1,372	1,514
New Jersey	1,257	393	814	2,464
New York	2,275	995	2,754	6,024
North Carolina	0	0	320	320
Pennsylvania	0	183	0	183
Rhode Island	0	0	121	121
South Carolina	0	15	133	148
Vermont	0	0	24	24
Virginia	0	0	215	215
PAD District II	**0**	**15**	**18**	**33**
Michigan	0	15	0	15
Minnesota	0	0	3	3
North Dakota	0	0	15	15
PAD District III	**353**	**0**	**0**	**353**
Texas	353	0	0	353
PAD District V	**346**	**0**	**63**	**409**
Hawaii	346	0	63	409
All PAD Districts	**4,231**	**2,918**	**7,124**	**14,273**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**2,687**	**2,037**	**9,043**	**13,767**
Florida	0	506	973	1,479
Georgia	0	0	243	243
Maine	0	255	661	916
Maryland	29	204	115	348
Massachusetts	0	312	961	1,273
New Jersey	1,354	199	1,524	3,077
New York	1,304	299	3,094	4,697
North Carolina	0	0	336	336
Pennsylvania	0	261	514	775
South Carolina	0	0	205	205
Vermont	0	1	18	19
Virginia	0	0	399	399
PAD District II	**0**	**0**	**36**	**36**
Michigan	0	0	1	1
Minnesota	0	0	1	1
North Dakota	0	0	34	34
PAD District III	**987**	**254**	**518**	**1,759**
Alabama	0	0	518	518
Texas	987	254	0	1,241
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**79**	**0**	**0**	**79**
Hawaii	79	0	0	79
All PAD Districts	**3,753**	**2,291**	**9,598**	**15,642**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, June 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**2,297**	**2,618**	**9,069**	**13,984**
Connecticut	0	0	89	89
Florida	0	261	725	986
Georgia	0	0	115	115
Maine	0	216	107	323
Maryland	0	492	507	999
Massachusetts	0	250	2,052	2,302
New Hampshire	0	0	680	680
New Jersey	1,145	0	1,249	2,394
New York	1,152	350	1,961	3,463
North Carolina	0	0	213	213
Pennsylvania	0	412	515	927
Vermont	0	0	17	17
Virginia	0	637	839	1,476
PAD District II	**31**	**58**	**77**	**166**
Michigan	31	58	33	122
Minnesota	0	0	2	2
North Dakota	0	0	42	42
PAD District III	**217**	**0**	**0**	**217**
Texas	217	0	0	217
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**59**	**0**	**0**	**59**
Hawaii	59	0	0	59
All PAD Districts	**2,604**	**2,676**	**9,147**	**14,427**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, July 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**4,046**	**4,893**	**11,631**	**20,570**
Connecticut	0	194	0	194
Delaware	0	75	0	75
Florida	0	277	966	1,243
Georgia	0	0	92	92
Maine	0	0	2,077	2,077
Maryland	0	623	968	1,591
Massachusetts	0	1,122	1,635	2,757
New Jersey	1,553	323	1,179	3,055
New York	1,624	301	2,875	4,800
North Carolina	0	0	317	317
Pennsylvania	868	710	604	2,182
South Carolina	0	0	207	207
Vermont	1	0	6	7
Virginia	0	1,268	705	1,973
PAD District II	**94**	**138**	**44**	**276**
Michigan	94	138	3	235
Minnesota	0	0	2	2
North Dakota	0	0	39	39
PAD District III	**508**	**0**	**741**	**1,249**
Alabama	0	0	220	220
Texas	508	0	521	1,029
PAD District IV	**0**	**0**	**3**	**3**
Montana	0	0	3	3
PAD District V	**243**	**0**	**0**	**243**
Hawaii	243	0	0	243
All PAD Districts	**4,891**	**5,031**	**12,419**	**22,341**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, August 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,524**	**3,055**	**8,137**	**14,716**
Connecticut	0	168	0	168
Florida	0	281	443	724
Georgia	0	0	123	123
Maine	210	0	453	663
Maryland	369	299	759	1,427
Massachusetts	0	392	1,521	1,913
New Hampshire	0	232	0	232
New Jersey	486	0	590	1,076
New York	2,103	127	3,059	5,289
North Carolina	0	0	149	149
Pennsylvania	356	464	777	1,597
Rhode Island	0	100	0	100
South Carolina	0	0	103	103
Vermont	0	0	5	5
Virginia	0	992	155	1,147
PAD District II	**94**	**106**	**74**	**274**
Michigan	94	105	31	230
Minnesota	0	0	9	9
North Dakota	0	1	34	35
PAD District III	**489**	**0**	**0**	**489**
Texas	489	0	0	489
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**401**	**0**	**0**	**401**
Hawaii	401	0	0	401
All PAD Districts	**4,508**	**3,161**	**8,212**	**15,881**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, September 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,314**	**2,354**	**9,082**	**14,750**
Delaware	0	106	39	145
Florida	0	266	659	925
Georgia	0	0	44	44
Maine	0	0	1,119	1,119
Maryland	0	174	163	337
Massachusetts	0	364	342	706
New Jersey	1,091	701	1,588	3,380
New York	1,858	743	4,354	6,955
North Carolina	0	0	209	209
Pennsylvania	365	0	0	365
South Carolina	0	0	157	157
Vermont	0	0	5	5
Virginia	0	0	403	403
PAD District II	**47**	**0**	**38**	**85**
Michigan	47	0	0	47
North Dakota	0	0	38	38
PAD District III	**630**	**0**	**0**	**630**
Texas	630	0	0	630
PAD District V	**257**	**70**	**0**	**327**
California	0	70	0	70
Hawaii	257	0	0	257
All PAD Districts	**4,248**	**2,424**	**9,120**	**15,792**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, October 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**2,865**	**979**	**7,902**	**11,746**
Connecticut	0	0	191	191
Delaware	0	0	30	30
Florida	0	293	1,066	1,359
Maine	0	0	281	281
Massachusetts	0	0	1,107	1,107
New Jersey	704	500	999	2,203
New York	2,161	186	2,827	5,174
North Carolina	0	0	347	347
Pennsylvania	0	0	400	400
South Carolina	0	0	256	256
Vermont	0	0	7	7
Virginia	0	0	391	391
PAD District II	**0**	**0**	**88**	**88**
North Dakota	0	0	38	38
Wisconsin	0	0	50	50
PAD District III	**112**	**332**	**465**	**909**
Louisiana	0	0	465	465
Texas	112	332	0	444
PAD District V	**98**	**0**	**0**	**98**
Hawaii	98	0	0	98
All PAD Districts	**3,075**	**1,311**	**8,455**	**12,841**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, November 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**4,860**	**3,354**	**8,048**	**16,262**
Connecticut	0	156	0	156
Florida	0	235	549	784
Maine	0	202	971	1,173
Maryland	0	0	204	204
Massachusetts	0	1,007	1,724	2,731
New Jersey	1,770	240	504	2,514
New York	3,090	583	2,596	6,269
North Carolina	0	0	501	501
Pennsylvania	0	261	249	510
Rhode Island	0	379	0	379
South Carolina	0	41	168	209
Vermont	0	0	3	3
Virginia	0	250	579	829
PAD District II	**8**	**0**	**43**	**51**
Michigan	8	0	0	8
North Dakota	0	0	43	43
PAD District III	**0**	**0**	**302**	**302**
Louisiana	0	0	302	302
PAD District V	**410**	**0**	**0**	**410**
California	164	0	0	164
Hawaii	246	0	0	246
All PAD Districts	**5,278**	**3,354**	**8,393**	**17,025**

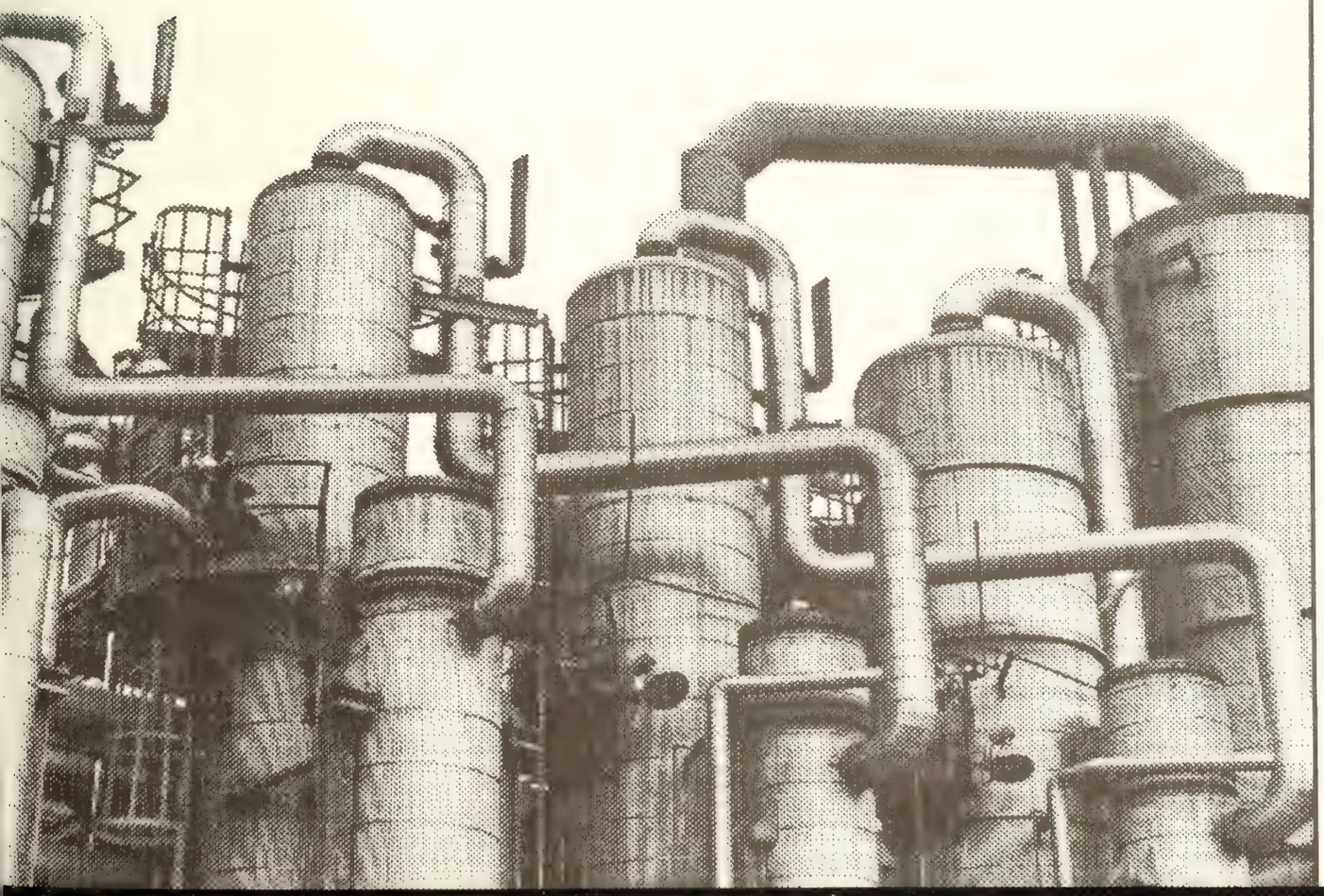
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, December 1987
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**5,152**	**5,028**	**8,582**	**18,762**
Connecticut	0	183	0	183
Delaware	0	247	316	563
Florida	0	257	1,094	1,351
Maine	0	219	316	535
Maryland	0	0	376	376
Massachusetts	379	494	1,647	2,520
New Hampshire	0	0	142	142
New Jersey	809	487	1,483	2,779
New York	3,964	2,096	2,188	8,248
North Carolina	0	0	452	452
Pennsylvania	0	774	326	1,100
South Carolina	0	0	192	192
Vermont	0	0	4	4
Virginia	0	271	46	317
PAD District II	**0**	**0**	**134**	**134**
Michigan	0	0	87	87
North Dakota	0	0	47	47
PAD District III	**275**	**0**	**924**	**1,199**
Alabama	0	0	271	271
Texas	275	0	653	928
PAD District V	**20**	**0**	**40**	**60**
California	20	0	0	20
Washington	0	0	40	40
All PAD Districts	**5,447**	**5,028**	**9,680**	**20,155**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Appendices



Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

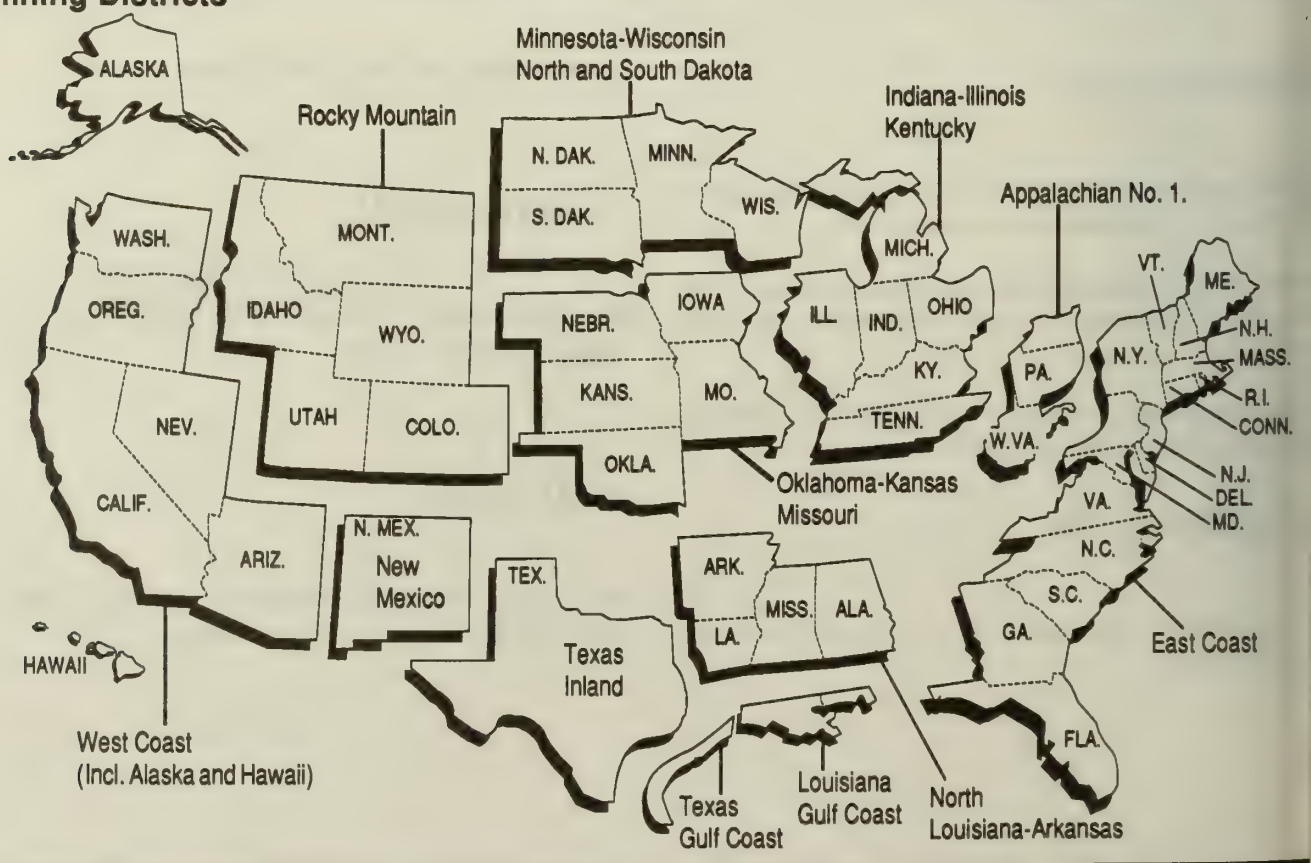
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B

Explanatory Notes

Note 1: Data Collection Methodology

Background

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are:

Form Number	*Name*
EIA-800	Weekly Refinery Report
EIA-801	Weekly Bulk Terminal Report
EIA-802	Weekly Product Pipeline Report
EIA-803	Weekly Crude Oil Stocks Report
EIA-804	Weekly Imports Report
EIA-810	Monthly Refinery Report
EIA-811	Monthly Bulk Terminal Report
EIA-812	Monthly Product Pipeline Report
EIA-813	Monthly Crude Oil Report
EIA-814	Monthly Imports Report
EIA-816	Monthly Natural Gas Liquids Report
EIA-817	Monthly Tanker and Barge Movement Report
EIA-820	Annual Refinery Report

Forms EIA-810 through 814, 816, and 817 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery and natural gas plant operations data; refinery, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *Petroleum Supply Annual* (PSA). A description of MPSRS survey forms follows in Explanatory Note 1.1.

Data are also obtained on magnetic tape from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSA. A description of the Census data follows in Explanatory Note 1.2.

Note 1.1: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, and Guam. Approximately 260 respondents report on the EIA-810.

EIA-811: Every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. Approximately 320 respondents report on the EIA-811.

EIA-812: All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 90 respondents report on the EIA-812.

EIA-813: All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 180 respondents report on the EIA-813.

EIA-814: All companies, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. Approximately 500 respondents report on the EIA- 814.

EIA-816: All facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 1,000 respondents report on the EIA-816.

EIA-817: All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company owned tanker or barge. Also, companies which lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 50 respondents report on the EIA-817.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Every three years an extensive survey is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, Federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month, with the exception of the EIA-814 which is due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed for companies that do not respond to EIA Forms 810-813 and 816. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. Data for nonrespondents on the EIA-814 and 817 are not imputed.

Response Rate

The response rate is generally 99 to 100 percent by the time the data are first published. Nonrespondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the FEA Act.

Note 1.2: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the Energy Information Administration (EIA) purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data tapes are the only source of export statistics and are used to augment the import data collected by the EIA.

Import Statistics (IM-145)

Coverage

Census import statistics used in the *Petroleum Supply Annual* (PSA) reflect both government and nongovernment imports of merchandise from foreign countries and U.S. possessions into the United States (the 50 States and the District of Columbia) without regard to whether or not a commercial transaction is involved. The following types of transactions are excluded from the statistics:

1. Merchandise in transit through the United States, when documented with Customs as an in transit movement.

2. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Census export statistics used in the PSA reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

1. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

2. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census. Exporters are required to file export documents with Customs officials (Customs Form 7525).

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year. For survey descriptions and other details, see Explanatory Note 1.1.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year.

Imports of crude oil and petroleum products are reported monthly on Form EIA-814, *Monthly Imports Report*. In addition, imports of natural gas liquids (NGLs) are obtained from the Census Bureau Tabulation IM-145. The Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. Additional data taken from the IM-145 are relatively small quantities of naphtha-type and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for

domestic consumption and therefore are not included in the Form EIA-814 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the year from stocks at the beginning of the same year. (Note: The beginning stocks of one year are equal to the ending stocks of the previous year.) A positive result (+) would represent a withdrawal from stocks. A negative result (-) would represent a buildup of stocks. For a description of survey forms used to make stock withdrawal or addition calculations, see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production, imports, and stock withdrawals. Crude oil disposition is the sum of exports, refinery input, losses, stock additions, and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supply from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by State conservation agencies. Data on the volume of oil produced on Federally-owned offshore leases are reported by the Minerals Management Service, U.S. Department of the Interior.

EIA receives oil production data on a continuing basis from the reporting agencies. These data are updated periodically, and updates are provided to the EIA as they become available. The frequency with which these updates are reported depends on the revision policy of the various states. For example, in Texas (where revisions are made systematically) the preliminary oil production data report for the current month includes revisions to oil production data for the previous month. In Kansas (where revisions are made at irregular intervals) the revisions can include all months from the beginning of the year. Annual oil production data received for the *Petroleum Supply Annual* (PSA) from Alabama, Alaska, Arkansas, Florida, Nebraska, Texas, and Utah do not equal the sum of earlier preliminary monthly production volumes. Revised monthly production volumes consistent with the annual totals were not available for these states. The latest preliminary monthly oil production data for these states have been adjusted to agree with reported annual totals.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries reported for all refineries on Form EIA-810, *Monthly Refinery Report.*

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report.* Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico and theVirgin Islands, which are obtained from refinery receipts reported on Form EIA-810, *Monthly Refinery Report*, by refineries located in these places.

Product Supplied for each product is calculated by summing field production, plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a Petroleum Administration for Defense (PAD) District basis), minus refinery input, minus exports. This formula ensures that total disposition equals total supply.

Product supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production net having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers. For survey descriptions and other details, see Explanatory Note 1.1.

Note 6: Movements

Movements of crude oil between Petroleum Administration for Defense (PAD) Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other details, see Explanatory Note 1.1.

Note 7: Notes on Tables

Note 7.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 3. Total Production and Crude Oil Production appear under Field Production in Table 3.
- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 3.
- Petroleum Products Imports is the sum of Natural Gas Liquids and Liquefied Refinery Gases (LRGs), Other Liquids, and Finished Petroleum Products Imports in Table 3.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 7.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the "Detailed Statistics," except where noted.

- Total Domestic Field Production, Alaskan Field Production, Strategic Petroleum Reserve (SPR) Imports, Other Imports (synonymous with Gross Imports Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted for Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.
- Crude Losses and Product Supplied appear as labeled in Table 3.
- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.
- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.
- Total Imports appear in Table 3.

Note 7.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, ethylene, propane, propylene, butane, butylene, and isobutane. The statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases. The statistics on the referenced line are aggregated from Table 3 of the "Detailed Statistics," except where noted.

- Total production is the aggregated sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 3.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, and *Total U.S.* appear as labeled in Table 9. *Lower 48 States* are calculated by subtracting Alaska crude oil production from Total U.S. crude oil production.
- Line (5): *SPR Imports* are reported on survey Form EIA-814.
- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude oil losses minus crude oil product supplied in Table 2.
- Line (14): Natural Gas Plant Liquids (NGPL) *Field Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.
- Line (15): NGPL *Net Imports* equals the sum of the imports of pentanes plus minus the exports of pentanes plus in Table 2.
- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the stock withdrawal (+) or addition (-) of pentanes plus in Table 2.
- Line (17): *Total NGPL Supply* equals the sum of lines (14), (15), and (16).
- Line (18): Other Liquids *Stock Withdrawal (+) or Addition (-)* equals the aggregate stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, unfinished oils, motor gasoline blending components, and aviation gasoline blending components in Table 2.
- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.
- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.
- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).
- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus field production of other liquids; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.
- Line (25): *Gross Imports* of Refined Products equals imports of liquefied petroleum gases (LPG) plus imports of finished petroleum products in Table 2.
- Line (26): *Exports* of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports* of Refined Products equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus total field production of other liquids; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stock Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (34): Equals the respective products supplied in Table 2.

- Line (35): *Other Products Supplied* equals the sum of pentanes plus, aviation gasoline, naphtha-type jet fuel, kerosene-type jet fuel, naphtha <400 Deg. F. for petrochemical feedstock use, other oils >400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components, and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39): Stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve* equals ending stocks of crude oil in Table 2.

- Line (43): Stocks of *Finished Refined Products* equals the sum of liquefied petroleum gases and finished petroleum products stocks in Table 2.

Note 8: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,425; and 1982 - 1,462.

- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.

- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.

- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.

- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.

- Stock withdrawal calculations beginning in 1975, 1981, and 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the "Summary Statistics," is now reported on a component basis (ethane, propane, normal butane, isobutane, and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the "Summary Statistics." This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108.

- Other Petroleum Products: 1983 - 248.

Note 9: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 10: 1981 Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures, and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration (EIA) in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting system.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings through 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. The difference increased to about 3 percent in 1979 and 1980. There were two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). Table B1 provides 1979 and 1980 data as published in the *Petroleum Statement, Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied.

EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years.

Table B1. Finished Motor Gasoline Product Supplied
(Thousand Barrels per Day)

	EIA Reported	API Recast	EIA Recast	FHWA[1]
1979	7,034	7,302	7,183-7,347	7,258
1980	6,579	6,882	6,806-6,889	6,792

[1]FHWA gasoline statistics based on data from Federal Highway Administration, Estimate of Total Gasoline Use, Table MF-21A published October 1980 and September 1981. Aviation gasoline (Table MF-24) has been subtracted from FHWA product supplied quantities to make data comparable.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oils produced by a refinery are shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was subtracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981, this adjustment was discontinued because there was not sufficient empirical evidence to support it. Table B2 presents distillate and residual fuel oil refinery production in 1979 and 1980 as published (adjusted) and on the same basis as 1981 statistics (unadjusted) to permit comparison.

Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Table B2. Distillate and Residual Fuel Oil Production and Product Supplied
(Thousand Barrels per Day)

	Adjusted Refinery Production	Unadjusted Refinery Production	Difference	Unadjusted Product Supplied
Distillate Fuel Oil				
1979	3,152	3,169	16	3,327
1980	2,661	2,764	103	2,969
Residual Fuel Oil				
1979	1,687	1,695	8	2,834
1980	1,580	1,634	54	2,562

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids section, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 11: Natural Gas Liquids Reporting Changes

Beginning in January 1984, a number of changes in the reporting of natural gas liquids (NGL) were implemented. The modified system reflects supply and disposition of NGL on a component, rather than product, basis.

From 1979 to 1983, the EIA collected and reported information on the supply and disposition of nine NGL products. Beginning with January 1984, NGL supply and disposition data were reported on a five component basis (seeTtable B3) to be consistent with record-keeping practices used by the industry. Table B3 shows the product category under the new and old basis.

Four PSRS surveys were modified beginning in January 1984. They were:

EIA-810 *Monthly Refinery Report*
EIA-811 *Monthly Bulk Terminal Report*
EIA-812 *Monthly Product Pipeline Report*
EIA-816 *Monthly Natural Gas Liquids Report*

Table B3. Product Basis vs. Component Basis Reporting

1979-1983 Product Basis	1984 Component Basis: Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Ethane	•				
Ethane-Propane Mixtures	•	•			
Propane		•			
Butane-Propane Mixtures		•	•		
Butane			•		
Isobutane				•	
Unfractionated Stream	•	•	•	•	•
Natural Gasoline and Isopentane					•
Plant Condensate					•

A fifth survey, the Form EIA-814, *Monthly Imports Report* (formerly Form ERA-60), was not modified. Adjustments are applied to NGL imports data to make them consistent with the revised reporting system (See Explanatory Note 12).

Note 12: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquids (NGL) supply data, moving from a nine-product slate basis to a five-component slate basis that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analysis of the products they imported during the first six months of 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the importers.

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide

component analysis of the products they exported during 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by Petroleum Administration for Defense (PAD) Districts of exportation, due to the wide variation of components included in the mixed streams.

Note 13: Statistical Notes

The universe of each of the Petroleum Supply surveys (refinery, bulk terminal, pipeline, crude oil stock, import, etc.,) is relatively small and ever-changing due to company births, deaths, mergers and splits. The frequency distributions of the petroleum supply variables are non-normal, highly variable, positive skewed and leptokurtic; that is, there are many small units and few large ones. Zeros often dominate the responses; that is, not all of the sampling units produce and/or store all products.

The statistics described in Table B5 were calculated from the monthly surveys over a 12-month period.

1. The number of active sampling units (respondents).
2. The number of sampling units reporting nonzero values (nonzero respondents).
3. The average of nonzero values reported in thousand barrels (average).
4. The standard deviation of nonzero values reported in thousand barrels (standard deviation).

Note 14: Addition of Crude Oil Pipeline Movements Data

Beginning in January 1985, inter-Petroleum Administration for Defense (PAD) District pipeline movements of crude oil were included in the crude oil supply balance at the PAD District level but did not affect National level statistics. As a result of including these movements, *Net Receipts* of crude oil and *Unaccounted for Crude Oil* at the PAD District level changed significantly. Also affected were crude oil imports and unfinished oil imports at the PAD District level which are provided by *PAD District of entry* (Tables 4-8) and by *PAD District of processing* (Table 14).

The tables in the *Petroleum Supply Annual* (PSA) that were changed due to the inclusion of inter-PAD District pipeline movements of crude oil are listed below.

- Tables 4-8, "PAD Districts I to V, Supply and Disposition of Crude Oil and Petroleum Products." *Net Receipts* includes movements by pipeline as well as by tanker and barge.
- Table 20, "Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes movements by pipeline as well as by tanker and barge.
- Table 21, "Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts." A line was added to report crude oil movements.
- Table 23, "Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between

Table B4. Algorithm for Allocating NGL Imports/Exports
(Percent)

	EIA Component Slate				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Import Product					
Natural Gasoline and Isopentane (EIA-814)	--	--	--	--	100
Plant Condensate (EIA-814)	--	--	--	--	100
Ethane (IM-145)	100	--	--	--	--
Propane (IM-145)	--	100	--	--	--
Butane (IM-145)	--	--	60	40	--
Butane-Propane Mixtures (IM-145)	--	40	35	20	5
Ethane-Propane Mixtures (IM-145)	80	20	--	--	--
Export Product					
Ethane (All PAD Districts)	100	--	--	--	--
Propane(All PAD Districts)	--	100	--	--	--
Butane (All PAD Districts)	--	--	100	--	--
Mixed Streams					
PAD Districts I, IV, V	--	40	60	--	--
PAD District II	30	25	15	15	15
PAD District III	--	80	20	--	--

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Gross Input to Atmospheric Crude Oil Distillation Units												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	183	185	186	187	188	189	190	188	187	187	186	188
Average	2,156	1,879	2,040	2,027	2,119	2,112	2,221	2,231	2,138	2,138	2,109	2,207
Standard Deviation	2,460	2,128	2,382	2,221	2,364	2,418	2,543	2,510	2,408	2,473	2,448	2,538
Refinery Crude Oil Input												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	182	183	184	186	186	188	190	187	186	186	184	186
Average	2,141	1,880	2,035	2,018	2,109	2,107	2,191	2,218	2,124	2,122	2,116	2,202
Standard Deviation	2,441	2,107	2,364	2,197	2,328	2,409	2,504	2,486	2,382	2,436	2,419	2,515
Refinery Finished Leaded Motor Gasoline Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	158	160	162	159	164	167	162	161	161	161	156	152
Average	350	291	312	324	345	321	337	317	312	299	300	307
Standard Deviation	328	277	304	328	325	301	295	290	283	286	266	279
Refinery Finished Unleaded Motor Gasoline Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	166	166	161	165	166	166	165	167	166	163	163	163
Average	928	799	956	940	973	971	1,005	991	956	982	990	1,053
Standard Deviation	1,046	888	1,108	1,123	1,143	1,124	1,141	1,125	1,123	1,164	1,144	1,186
Refinery Distillate Fuel Oil Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	182	180	181	183	184	183	185	183	184	180	181	182
Average	481	413	423	431	439	452	463	470	458	493	516	562
Standard Deviation	585	490	485	483	476	495	511	518	506	542	572	642
Refinery Residual Fuel Oil Gross Production												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	143	142	145	142	141	141	146	148	144	145	143	145
Average	208	173	195	188	192	193	201	195	200	203	214	228
Standard Deviation	292	268	317	310	272	257	280	287	287	291	308	331
Refinery Finished Leaded Motor Gasoline Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	168	169	168	167	169	168	168	167	167	167	164	158
Average	100	107	100	90	89	84	81	79	81	75	79	87
Standard Deviation	101	122	104	91	88	86	79	77	79	82	81	84
Bulk Terminal Finished Leaded Motor Gasoline Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	144	141	142	141	137	139	136	138	139	137	139	137
Average	256	242	227	211	206	204	200	202	199	190	198	196
Standard Deviation	530	500	469	453	427	435	409	418	406	386	412	402
Pipeline Finished Leaded Motor Gasoline Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	50	51	50	51	49	50	47	48	53	47	49	52
Average	342	322	320	286	293	263	294	267	260	277	265	242
Standard Deviation	541	498	516	420	432	395	442	387	392	410	429	379
Refinery Finished Unleaded Motor Gasoline Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	174	176	175	176	176	175	175	174	175	174	175	170
Average	216	213	224	224	203	208	210	196	203	195	206	219
Standard Deviation	307	278	337	335	259	290	294	235	294	298	244	275
Bulk Terminal Finished Unleaded Motor Gasoline Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	147	145	145	144	143	147	146	145	147	146	147	143
Average	432	417	424	422	424	410	399	418	420	401	408	414
Standard Deviation	974	920	962	930	964	957	935	974	989	968	970	941
Pipeline Finished Unleaded Motor Gasoline Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	52	55	53	54	54	54	53	54	53	53	52	54
Average	746	724	739	767	776	745	741	729	734	713	741	727
Standard Deviation	1,569	1,538	1,666	1,847	1,873	1,758	1,656	1,571	1,683	1,622	1,754	1,657
Refinery Distillate Fuel Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	202	202	203	202	200	201	203	202	203	203	203	200
Average	193	183	154	155	157	169	180	189	190	173	186	204
Standard Deviation	277	249	184	187	186	219	246	257	256	231	249	274

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables (Continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bulk Terminal Distillate Fuel Oil Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	231	231	228	226	223	223	222	225	225	226	223	224
Average	322	274	238	207	216	220	248	275	282	271	288	293
Standard Deviation	873	724	616	520	562	570	622	743	753	756	829	844
Pipeline Distillate Fuel Oil Stocks												
Respondents	80	80	80	80	80	80	80	80	80	80	80	80
Nonzero Respondents	52	55	53	52	54	55	54	56	54	56	55	55
Average	540	426	450	427	402	386	427	440	457	440	473	509
Standard Deviation	1,304	992	1,073	951	914	918	1,098	987	1,044	1,203	1,179	1,255
Refinery Residual Fuel Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	172	171	172	171	169	168	169	166	166	167	166	163
Average	104	96	101	91	106	103	114	118	113	111	126	113
Standard Deviation	154	142	170	142	154	152	173	179	168	163	192	168
Bulk Terminal Residual Fuel Oil Stocks												
Respondents	314	314	313	313	311	312	311	311	310	305	306	306
Nonzero Respondents	71	73	72	71	71	71	70	71	70	69	67	65
Average	378	297	305	284	314	336	362	363	363	389	430	443
Standard Deviation	905	662	654	669	822	843	907	878	957	954	927	988
Refinery Crude Oil Stocks												
Respondents	247	245	245	246	246	247	247	247	247	247	248	248
Nonzero Respondents	188	188	188	187	185	186	186	186	186	185	186	185
Average	506	501	539	551	545	547	556	567	569	570	566	518
Standard Deviation	632	642	670	680	689	700	721	748	700	677	725	627
Pipeline/Tank Farm Crude Oil Stocks												
Respondents	156	157	157	156	156	158	158	158	158	158	157	157
Nonzero Respondents	120	121	120	120	121	123	122	123	123	122	121	121
Average	1,621	1,595	1,568	1,516	1,474	1,465	1,457	1,510	1,540	1,663	1,717	1,691
Standard Deviation	3,326	3,260	3,096	2,902	2,853	2,951	2,930	3,062	3,030	3,242	3,385	3,402

PAD Districts." The crude oil line includes net movements by pipeline as well as by tanker and barge.

Note 15: 1986 Changes in Petroleum Industry Reporting

Beginning in January 1986, several changes to the Petroleum Supply Reporting System (PSRS) went into effect. These changes affected the frame of operators of petroleum facilities required to complete the monthly surveys in the PSRS and resulted in some changes to the tables presented in the *Petroleum Supply Annual* (PSA).

Changes in Survey Frames

As a result of frames maintenance activities, 39 respondents were added to the monthly survey frames. The following table shows the impact of the data reported by the new respondents on published data for production and stocks of major petroleum products.

Table B6. Impact of New Respondents to December 1985 PSM Data

	Refinery Production (thousand barrels per day)		Stocks[1] (thousand barrels)	
Product	Reported by New Respondents	Published U.S. Total	Reported by New Respondents	Published U.S. Total
Leaded Gasoline	1.3	2,326	224	81,379
Unleaded Gasoline	0.6	4,323	276	108,422
Distillate Fuel Oil	0	3,174	1,217	143,911
Residual Fuel Oil	0	1,055	1,747	50,671
NGL's & LRG's	0	393	409	80,898
Other Products	0	3,302	1,413	239,158
Crude Oil (excl. SPR)	--	--	2,314	318,695

[1] Stocks as of December 31, 1985.

Also, beginning in January 1986, a major integrated petroleum company consolidated production and stocks reporting for some of its facilities. Data previously reported separately on Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-816, *Monthly Natural Gas Liquids Report*, for two facilities, have been combined with data reported for two refineries on Form EIA-810, *Monthly Refinery Report*. The primary impact of this reporting change is on Table 18, "Stocks of Crude Oil and Petroleum Products by PAD District," which will show a decrease in natural gas liquids (NGL) stocks at bulk terminals and natural gas processing plants, and an increase in NGL stocks at refineries.

Changes in Publication Tables

Several changes have been made to tables in the PSA either as a direct result of changes in reporting requirements or to improve the usefulness of the publication. These changes are:

- Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District"
  - Alaskan crude oil receipts are now shown separately.
- Table 12, "Refinery Production of Petroleum Products by PAD District"
  - The "petrochemical feedstock use" and "other use" are no longer shown separately for still gas or for liquefied refinery gases.
- Table 14, "Imports of Crude Oil and Petroleum Products by PAD District"
  - Imports of unfinished oils are now separated into four categories: naphthas and lighter, kerosene and light gas oils, heavy gas oils, and residuum.
- Table 15, "Imports of Crude Oil and Petroleum Products by Source"
  - Countries formerly included in the categories "Other Western Hemisphere" and "Other Eastern Hemisphere" are shown individually.
- Table 18, "Stocks of Crude Oil and Petroleum Products by PAD District"
  - The breakout between "petrochemical feedstock use" and "other use" for each liquefied petroleum gas was eliminated.

Note 16: 1987 Changes in the Petroleum Supply Reporting System

Several changes to the Petroleum Supply Reporting System went into effect at the beginning of January 1987. These changes were made as part of the Energy Information Administration's (EIA's) continuing effort to provide pertinent, timely and consistent energy information.

Changes in Data Collection and Reporting Systems

- Fresh feed input to catalytic cracking units, hydrocracking units and cokers were added to the Form EIA-810, *Monthly Refinery Report*.

Changes in Publications

- The "Appalachian No. 2" Refining District has been combined with the "Indiana, Illinois, Kentucky," Refining District. This affects *Petroleum Supply Annual* (PSA) Tables 10, 11, 12, 13, 18, 24, and 25.
- Fresh feed inputs to catalytic cracking units, hydrocracking units and cokers are included in Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District."

Clarification

In 1986, several refineries and terminals in the United States applied for Foreign Trade Zone (FTZ) status and applications from three refineries were approved. Consequently, during 1986, some refineries with FTZ status were treated as if they were within the United States while the Hawaiian FTZ was considered outside.

- Effective with the January 1987 data, all Foreign Trade Zone facilities located within the 50 United States are considered domestic entities and are included in statistics in the PSA. The prinicipal differences in the PSA data series are about a 1 percent increase in crude oil imports and a 3 percent decrease in product imports.

Glossary



Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; CH-(CH)n-OH (e.g., methanol, ethanol, and tertiary butyl alcohol (TBA)).

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{sp.gr.60\,^{\circ}F/60\,^{\circ}F} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt, still gas and wax to barrels are given in the definitions of these products.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed during a 24-hour period after making allowances for the following limitations:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude oil and product slate conditions.

Benzene. An aromatic hydrocarbon, (C6H6), present to a minor degree in most crude oils. Some important products manufactured from benzene are: styrene, phenol, nylon, aniline, and synthetic detergents.

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon, (C4H10). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C4H8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. Includes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees F to 750 degrees F (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Drip gases are also included, but topped crude oil (residual oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil . A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F at the 10-percent recovery point and 550 degrees F at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 designates minimum and maximum distillation temperatures at the 90-percent recovery point of 540 degrees F and 640 degrees F, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as designated in the ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a maximum distillation temperature of 550 degrees F at the 90-percent recovery point for use in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with minimum and maximum distillation temperatures at the 90-percent recovery point of 540 and 640 degrees F for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C2H6). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene. An olefinic hydrocarbon, (C2H4), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Flexicoking. A thermal cracking process which converts heavy hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. See Motor Gasoline (Finished).

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Heavy Gas Oil. Petroleum distillates with an approximate boiling range from 651 degrees F to 1000 degrees F.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See Butane.

Isohexane. A saturated branch-chain hydrocarbon, (C_6H_{14}). It is a colorless liquid that boils at a temperature of 156.2 degrees F.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane, (C4), an alkylation process feedstock, and normal pentane and hexane into isopentane, (C5), and isohexane, (C6), high-octane gasoline components.

Isopentane. See Natural Gasoline and Isopentane.

Kerosene. A petroleum distillate that has a maximum distillation temperature of 401 degrees F at the 10-percent recovery point, a final boiling point of 572 degrees F, and a minimum flash point of 100 degrees F. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-type Jet Fuel. A quality kerosene product with a maximum distillation temperature of 400 degrees F at the 10-percent recovery point and a final maximum boiling point of 572 degrees F. The fuel is designated in ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Light Gas Oils. Liquid petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees F to 650 degrees F.

Liquefied Petroleum Gases (LPG). Ethane, ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. Do not include byproducts of lubricating oil refining such as aromatic extracts derived from solvent extraction or tars derived from deasphalting. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal

Seconds (SUS) at 100 degrees F. A product of hydrotreating, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils, and medicinal oils).

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a range in distillation temperatures from 122 to 158 degrees F at the 10-percent recovery point and from 365 to 374 degrees F at the 90-percent recovery point. The Reid Vapor Pressure ranges from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol), limited to 10 percent by volume of alcohol.

Motor Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished motor gasoline (e.g. straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

Naphtha-type Jet Fuel. A fuel in the heavy naphtha boiling range. ASTM Specification D1655 specifies for this fuel maximum distillation temperatures of 290 degrees F at the 20-percent recovery point and 470 degrees F at the 90-percent point, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e., products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gas Processing Plant. A gas processing plant is a facility designed (1) to achieve the recovery of natural gas liquids from the stream of natural gas which may or may not have been processed through lease separators and field facilities, and (2) to control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C5H12), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See Butane.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates. Oxygenates include both alcohols and ethers used as octane boosting additives for gasoline (e.g., methyl tertiary butyl ether).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F" and "Other oils over 400 degrees F."

> *Naphtha-Less Than 400 Degrees F.* A naphtha with a boiling range of less than 400 degrees F that is intended for use as a petrochemical feedstock.

> *Other Oils-Over 400 Degrees F.* Oils with a boiling range of over 400 degrees F that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

> *Marketable Coke.* Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

> *Catalyst Coke.* In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plant pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

Production Capacity. The amount of product that can be produced from processing facilities.

Propane. A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors

Association Specifications for commercial propane and HD-5 propane.

Propylene. An olefinic hydrocarbon, (C3H6), recovered from refinery processes or petrochemical processes.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees F.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank and is always greater than or equal to working storage capacity.

Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6.000 million BTU's per barrel (42 U.S. gallons).

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A nonmetallic element of lemon-yellow color, sometimes known as "brimstone."

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene. An aromatic hydrocarbon, (C6H5CH3), somewhat similar to benzene but of a higher boiling point produced in the coking of coal and also by petroleum refining processes. It is the basis of dyes, explosives, and aromatic compounds. Along with xylene, it is a key component in unleaded gasoline.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending. Includes naphthas, kerosene, light and heavy gas oils, and residuum. See individual categories for definition.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42 U.S. gallons per barrel.

> ***Microcrystalline Wax.*** Wax extracted from certain petroleum residues having a finer and less apparent

crystalline structure than paraffin wax and having the following physical characteristics: Penetration at 77 degrees F (D1321)-60 maximum. Viscosity at 210 degrees F in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemishpere. That half of the earth that includes North and South America and adjacent islands.

Working Storage Capacity. The volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene. An aromatic hydrocarbon, (C6H4(CH3)2), produced in petroleum refining (cracking) processes. One important use is as a solvent in the manufacture of paints. Along with toluene, it is a key ingredient in unleaded gasoline.



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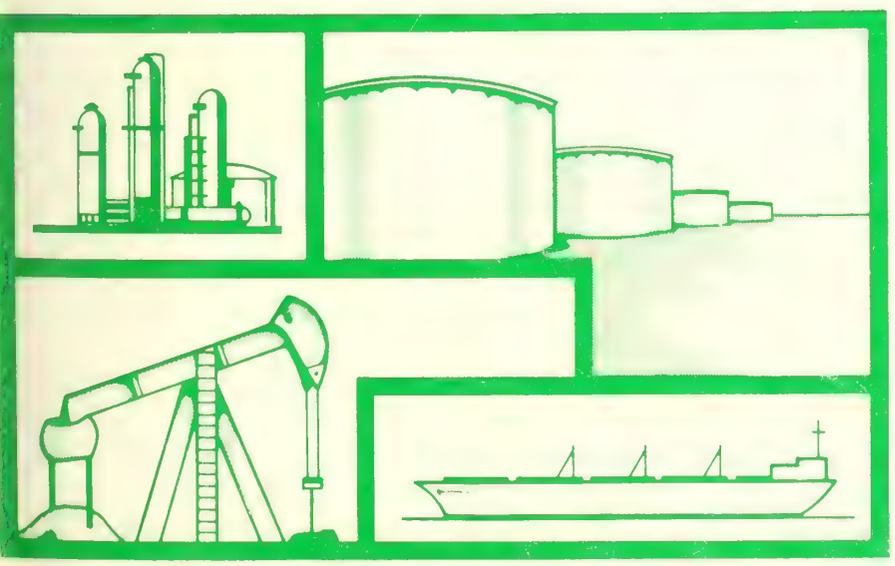


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Petroleum Supply Annual 1988

Volume 1



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Volume 1

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Preface

The *Petroleum Supply Annual* (PSA) contains information on the supply and disposition of crude oil and petroleum products. The publication reflects data that were collected from the petroleum industry during 1988 through annual and monthly surveys. The *PSA* is divided into two volumes. This first volume contains two sections, Petroleum Supply Summary and Refinery Capacity, each with final annual data. The second volume contains final statistics for each month of 1988, and replaces data previously published in the *Petroleum Supply Monthly* (PSM). The tables in Volumes 1 and 2 are similarly numbered to facilitate comparison between them. Below is a description of each section in Volume 1 of the *PSA*.

Petroleum Supply Summary

This section contains a summary of the data presented each month in the *PSM* and in Volume 2 of the *PSA*. It includes a description of the major events in the petroleum industry during 1988 including trends in supply, consumption, and production. Graphs and tables are provided which show 16 years of data depicting the balance between supply, disposition and ending stocks for various commodities including crude oil, motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases. Tables also provide 1988 detailed statistics on supply and disposition, refinery operations, imports and exports, stocks, and transportation of crude oil and petroleum products.

Refinery Capacity

This section describes major activities within the refinery industry during 1988. The tables are compiled from the Form EIA-820, *Annual Refinery Report*. Of particular note are listings of facilities and associated capacities in each State. In addition, summaries of corporate refinery capacities, refinery storage facilities in selected States, and refinery shutdowns, sales and mergers during 1988 are provided.

Appendices

Explanatory Notes, located at the end of this publication, present information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables. Appendix C is provided to inform the user of updated monthly and annual crude oil production statistics received after the publication of the 1987 *PSA*. Industry terminology and product definitions are listed alphabetically in the Glossary.

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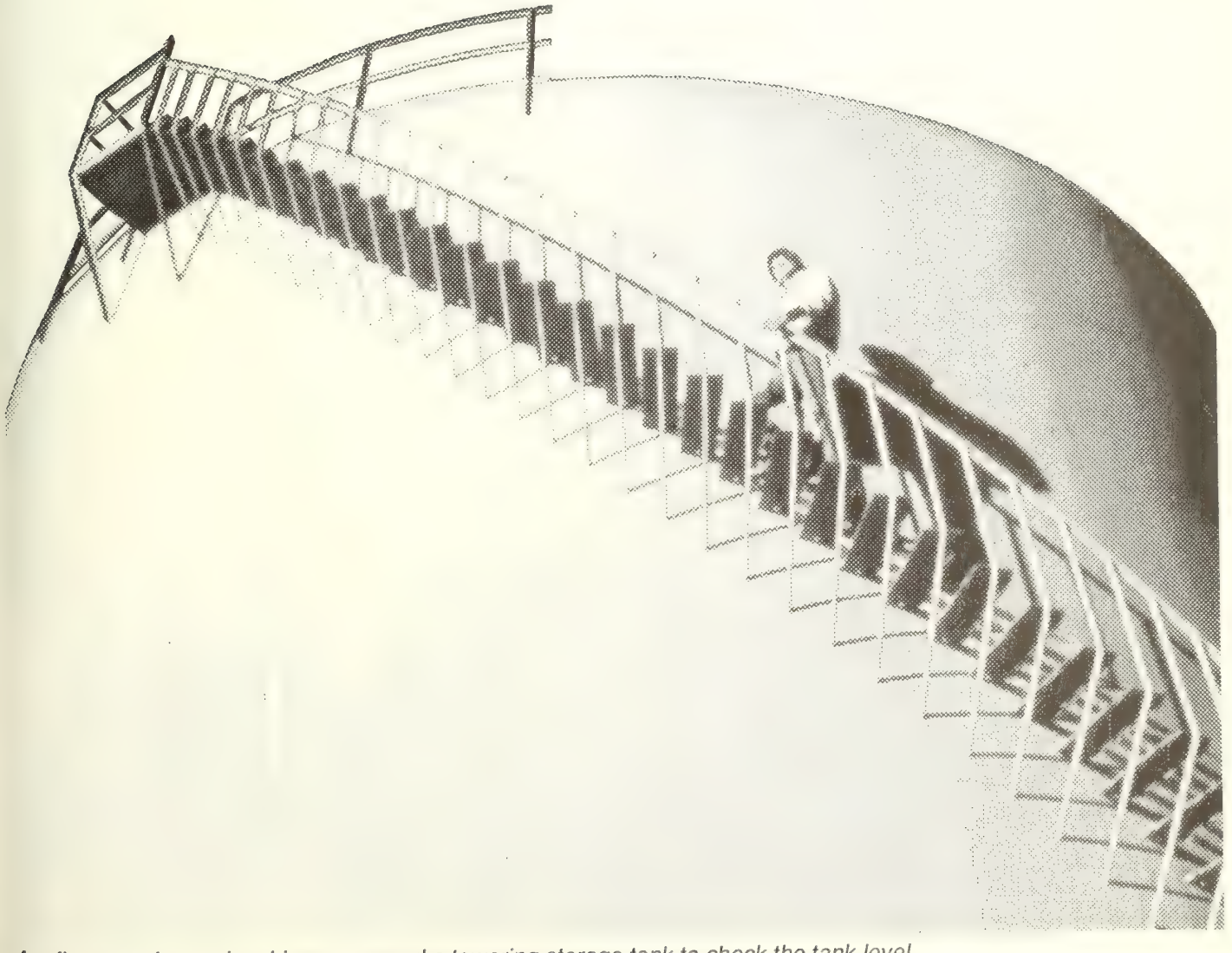
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U.S. Petroleum Supply



A refinery worker makes his way around a towering storage tank to check the tank level.

U. S. Petroleum Supply

by Herbert Franklin and Irvin Chamberlain

Overview

Petroleum product demand rose 0.6 million barrels per day in 1988. This increase elevated U.S. petroleum use to the highest level since 1979. (Demand is measured as "Product Supplied" in the *Petroleum Supply Annual*, and the term is used interchangeably with the term "consumption" throughout this text). Continued economic expansion (up 3.9 percent in terms of real gross national product) and colder temperatures than in 1987 are the principal factors responsible for the sharp increase in petroleum demand during 1988.[1] Competitively priced residual fuel oil and relatively low-cost jet fuel, which contributed to lower air fares, also induced additional use.

As petroleum use continued rising, trends in U.S. petroleum supply activity that began with the crude oil price crash of 1986, continued through 1988. Crude oil prices that had recovered slightly in 1987, again declined because of the Organization of Petroleum Exporting Countries (OPEC) overproduction. It is expected that U.S. proved reserves of crude oil will decline again in 1988 as they did in 1986. Indigenous production of liquid hydrocarbons (crude oil and natural gas liquids) declined and dependence on foreign petroleum increased for the third consecutive year.

Producer's exploration and development budgets were limited in 1988 by low and declining crude oil and natural gas prices and by reluctance of investors to back risky and possibly low-return exploration ventures. Consequently, there was an increasing tendency for producers to favor acquisition of crude oil reserves by purchasing producing leases rather than through relatively high-risk drilling activity.[2] This policy is evidenced by a continuing decline in the number of well completions and the amount of footage drilled during the year.

Indigenous production of liquid hydrocarbons dropped to a level that is 0.8 million barrels per day below the 1985 level. This decline was inevitable in view of the sharp reduction of drilling activity. High levels of drilling activity are needed to sustain output of the mature U.S. oilfields that are suffering a natural decline in productivity. Barring a strong rise in oil prices, the drop in U.S. indigenous production will likely continue. However, certain factors may mitigate the drop somewhat in the near future. An unconventional horizontal drilling technique was employed in some fields during 1988 with the hope of increasing productivity in suitable reservoirs. In addition, a gas-reinjection project is planned to increase reservoir pressure at the Prudhoe Bay, Alaska oilfield; this will partially offset an expected natural decline in productivity at the Prudhoe Bay oilfield.

Because of the continuing decline in domestic production of liquid hydrocarbons, and the continuing sharp rise in domestic use of petroleum, imports rose substantially again in 1988. The inflow of foreign petroleum is now 2.3 million barrels per day higher than it was in 1985 and accounts for nearly 43 percent of U.S. petroleum supply. Crude oil makes up nearly 82 percent of the increased supply of all foreign petroleum since 1985 because refiners have run their facilities at high rates to take advantage of wide margins between crude oil costs and product prices.

Crude oil prices remained low and unstable for the first 5 months of the year and began a definite decline through November as OPEC struggled without success, to maintain some output discipline within its ranks. Average crude oil prices dropped to levels nearly as low as those in 1986, as OPEC crude oil production (excluding Iraq) rose by 1.4 million barrels per day above the 1987 level[3] and nearly 2.8 million barrels per day above its self-imposed 1988 output quota of 15.06 million barrels per day. A new production agreement by OPEC in late November stopped the crude oil price slide in December, but too late for any substantive impact during 1988.

Product Demand

The primary factors that affect change in petroleum product demand are national economic growth trends, petroleum price levels, weather conditions, and efforts to conserve petroleum.

Economic expansion is a strong stimulus for increased consumption of petroleum products on a broad scale. Increased industrial production, transport of goods, provision of services, and sales activities all require greater volumes of fuel. A secondary factor that is related to the state of the economy is the amount of disposable income that is available; an expanding economy increases disposable personal income and the amount of personal funds that can be spent on travel and petrochemical products.

[1] Energy Information Administration, *Short-Term Energy Outlook*, January 1989, DOE/EIA-0202(89/IQ), (Washington, DC, February 1989), Table 4.

[2] *Oil and Gas Journal*, "U.S. Operators Increasingly Tend to Buy Reserves Rather Than Drill," (Tulsa, Oklahoma, July 11, 1988) pp. 17-19.

[3] Energy Information Administration, *International Petroleum Statistics Report*, DOE/EIA-0520(89/03), (Washington, DC, February 1989), Table 1.1.

Note: Unless otherwise referenced, all data reported in this article are from Energy Information Administration publications: *Annual Energy Review 1987*, DOE/EIA-0384(87); *Monthly Energy Review*, December 1988, DOE/EIA 0035(88/12); and *Petroleum Supply Annual 1988*, Volume 1, DOE/EIA-0340(88)/1, and predecessor reports.

Low petroleum prices tend to increase purchases of fuel and petroleum-based products. Discretionary efforts to conserve petroleum fuel are reduced; for example, individuals feel free to drive larger, less fuel-efficient vehicles and to travel more miles. Electric utility and industrial plants will substitute lower-priced petroleum fuel and petrochemical feedstocks, respectively, for more expensive fuel and feedstock types wherever dual-fired boilers or suitable petrochemical processing equipment permit such substitution. When petroleum prices are relatively high, these trends are normally reversed.

Weather changes have an obvious impact on the use of heating fuels in winter. During the summer, additional volumes of residual fuel oil are required as a primary fuel for generating electricity used in air-conditioning units.

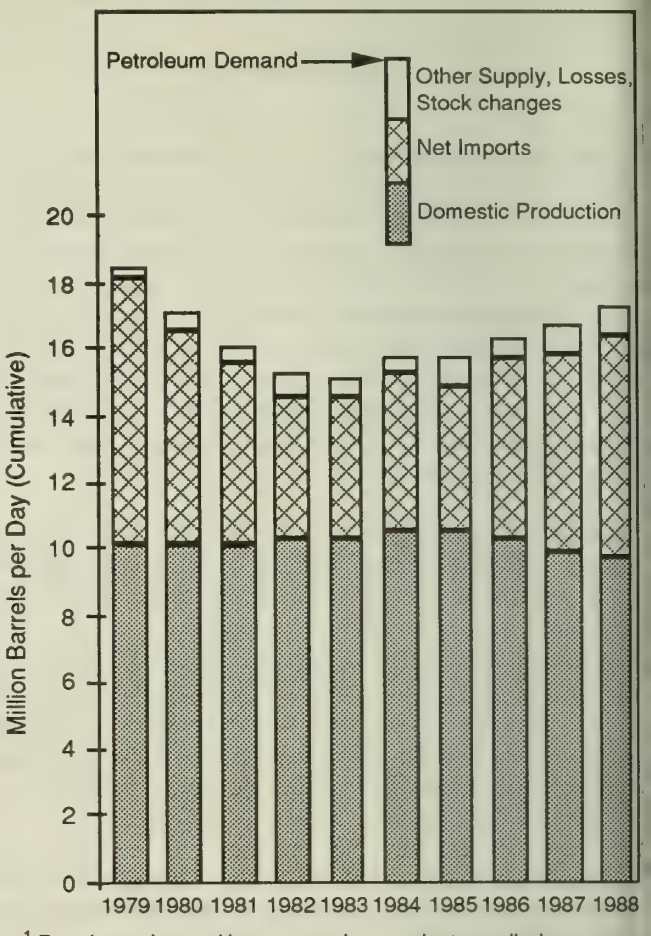
Government conservation programs and discretionary conservation efforts of individuals have become important factors in restraining demand for petroleum. For example, Federal Government mandated automotive-fleet mileage standards and discretionary purchases of smaller, more energy-efficient automobiles have boosted the U.S. passenger car fleet fuel efficiency (miles traveled per gallon) by 44 percent from 1973 to 1987. In addition, tax incentives helped induce improvements in building insulation, and installation of high-efficiency heating and cooling equipment.

The impact of these and other conservation efforts has been felt throughout the economy. In terms of thousand Btu consumed per 1982 dollar of Gross National Product (GNP), petroleum consumption declined from 12.70 in 1973 to 8.50 in 1988 (Table FE1). This represents a 33-percent reduction in petroleum use based on the GNP expressed in constant dollars.

Domestic demand for petroleum products declined from 18.5 million barrels per day in 1979 to 15.2 million barrels per day in 1983 (Figure FE1). The decline which began in 1979 resulted from mandated and price-induced conservation plus economic downturns in 1980 and 1982. During 1984 and 1985, improving economic conditions and declining petroleum prices resulted in a higher level of demand. Total petroleum product demand climbed sharply to 16.3 million barrels per day in 1986, an increase of nearly 0.6 million barrels per day over the 1985 level. This surge in demand was stimulated by a precipitous drop in crude oil prices and continued economic expansion. Petroleum product demand continued its upward movement in 1987 largely on the strength of a moderate 3.4-percent rate of growth in economic activity; however, the 1987 rise was slowed relative to the 1986 increase by greater vehicle efficiency and by higher petroleum prices which may have induced some discretionary conservation (e.g., electric utility switching to natural gas, etc.).

During 1988, petroleum product demand continued the sharp increase that began in 1986, rising 0.6 million barrels per day over the 1987 level. This increase can be attributed principally to the robust growth of the U.S. economy and a colder winter.

Figure FE1. Petroleum Supply and Demand, 1979-1988 [1]



[1] Petroleum demand is measured as product supplied.
Source: Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1, Table 3, and predecessor reports.

Table FE1. Petroleum Consumption per Constant Dollar of GNP [1]

Year	GNP [1] (trillion 1982 dollars)	Petroleum Consumption (quadrillion Btu)	Petroleum Consumption per Constant Dollar of GNP [1] (thousand Btu per 1982 dollar)
1973	2.744	34.840	12.70
1978	3.115	37.965	12.19
1983	3.279	30.054	9.17
1988	3.996	33.959	8.50

[1] GNP = Gross National Product.
Source: Energy Information Administration, *Monthly Energy Review*, December 1988, Tables 1.4 and 1.7.

Relatively low price levels for jet fuels and residual fuel oil also contributed, albeit to a lesser degree. The increase in demand was restrained somewhat by a small improvement in the overall efficiency of the U.S. vehicle fleet.

Motor Gasoline

Consumption of motor gasoline increased for the sixth consecutive year, rising to 7.3 million barrels per day in 1988. This can be attributed mainly to general economic expansion and a 3.7-percent increase in real disposable personal income which induced higher levels of business and recreational travel.

Despite the sustained 6-year increase in motor gasoline consumption, the 1988 consumption level remains below the peak level of 1978. This illustrates the continuing effectiveness of the broad-scale conservation programs aimed at reducing motor gasoline usage combined with individual discretionary conservation efforts, such as carpooling. However, individual discretionary conservation efforts appear to be waning as only 3 percent of today's buyers of new cars rate fuel economy as their most important consideration when selecting a new car as opposed to 33 percent in 1980 when real gasoline prices peaked.[4] By 1988, average retail prices for unleaded premium motor gasoline had dropped to 75 percent of their 1981 average, thus stimulating demand for higher performance, less fuel-efficient vehicles.

Distillate Fuel Oil

Distillate (diesel) fuel oil is used principally in the transportation sector of the economy to power buses, trucks, trains, and a small percentage of passenger vehicles. Other significant uses are for heating residential and commercial buildings and for firing industrial boilers. About 1 percent of distillate fuel oil is used to fire electric utility boilers.

Demand for distillate fuel oils accounted for the largest portion of the overall increase in petroleum demand during 1988, rising 0.15 million barrels per day. Growth in distillate use was induced by the increasing transportation and industrial needs of the expanding economy and by the relatively cold winter which boosted demand for residential and commercial heating.

Liquefied Petroleum Gases

Industrial facilities, particularly petrochemical plants and petroleum refineries, used nearly three-fourths of the liquefied petroleum gases (LPG's) consumed in 1987. Most of the remainder were used by the residential and commercial sectors, and a small volume was consumed in the transportation sector. In addition to the technical advantage of LPG's as a fuel in petrochemical processing activities, LPG's sometimes have a price advantage over heavier, refinery-processed hydrocarbons for use as petrochemical raw materials.

Although crude oil prices declined in 1988, implying a price advantage for heavier oil-based petrochemical feedstocks, natural gas prices also declined keeping LPG's competitive as feedstocks. Consequently, LPG demand rose to 1.7 million barrels per day principally on the basis of very heavy petrochemical demand. However, a portion of the LPG increase in demand can also be attributed to its increased use in motor gasoline blending activities.

Jet Fuel

Consumption of jet fuel increased to more than 1.4 million barrels per day in 1988. Increased use of jet fuel during 1988 resulted primarily from the expansion in economic activity and disposable personal income which fostered higher levels of business and recreational travel. An additional inducement to increased recreational travel was bargain-priced airfares resulting, in part, from the relatively low cost of kerosene-type jet fuel.

Residual Fuel Oil

The most important use of residual fuel oil is as a primary fuel for electric utility plants. Next in importance is its use as bunkering fuel in ocean-going vessels, and close behind that, as a boiler fuel at industrial plants. A fourth and relatively minor use is as a heating fuel in commercial buildings.

Demand for residual fuel oil reversed its declining trend of 1987 and rose to nearly 1.4 million barrels per day in 1988. This turnaround can be attributed to some price-induced fuel switching from natural gas by electric utilities. However, economic expansion probably also promoted greater use by the industrial and transportation sectors. Commercial buildings used more because of the relatively cold winter season.

Reserves and Production

Indigenous production of liquid hydrocarbons continues to be the principle source of U.S. petroleum supply (Table FE2.) However, the U.S. production base consists mainly of old

[4] *Oil Daily*, "The Real Issue: Jobs, Not the Environment," (Washington, DC, September 19, 1988), p. 7.

Table FE2. U.S. Petroleum Supply--Salient Statistics, 1979-1988

Supply Elements	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Indigenous Production (million barrels per day)										
Crude Oil	8.6	8.6	8.6	8.6	8.7	8.9	9.0	8.7	8.3	8.1
Natural Gas Liquids	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Other[1]	s	s	s	.1	.1	s	.1	.1	.1	.1
Total[2]	10.2	10.2	10.2	10.3	10.3	10.6	10.6	10.3	10.0	9.8
Imports (million barrels per day)										
Crude Oil (Industry)	6.5	5.2	4.1	3.3	3.1	3.2	3.1	4.1	4.6	5.1
Crude Oil (SPR)[3]	.1	s	.3	.2	.2	.2	.1	s	.1	.1
Products	1.9	1.6	1.6	1.6	1.7	2.0	1.9	2.0	2.0	2.3
Total[2]	8.5	6.9	6.0	5.1	5.1	5.4	5.1	6.2	6.7	7.4
Exports (million barrels per day)										
Crude Oil	.2	.3	.2	.2	.2	.2	.2	.2	.2	.2
Products	.2	.3	.4	.6	.6	.5	.6	.6	.6	.7
Total[2]	.5	.5	.6	.8	.7	.7	.8	.8	.8	.8
Total Net Imports (million barrels per day)	8.0	6.4	5.4	4.3	4.3	4.7	4.3	5.4	5.9	6.6
Stock Withdrawal (million barrels per day)										
Crude Oil (Industry)	(.1)	(.1)	s	s	s	(s)	.1	(s)	(s)	.1
Crude Oil (SPR)[3]	(.1)	(s)	(.3)	(.2)	(.2)	(.2)	(.1)	(.1)	(.1)	(.1)
Products	(s)	(s)	.1	.3	.2	(.1)	.2	(.1)	.1	s
Total[2]	(.2)	(.1)	(.2)	.1	s	(.3)	.1	(.2)	(s)	s
Products Supplied (million barrels per day)										
Motor Gasoline	7.0	6.6	6.6	6.5	6.6	6.7	6.8	7.0	7.2	7.3
Distillate Fuel Oil	3.3	2.9	2.8	2.7	2.7	2.8	2.9	2.9	3.0	3.1
Residual Fuel Oil	2.8	2.5	2.1	1.7	1.4	1.4	1.2	1.4	1.3	1.4
Jet Fuels	1.1	1.1	1.0	1.0	1.0	1.2	1.2	1.3	1.4	1.4
Liquid Petroleum Gases	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.7
Other Petroleum	2.7	2.5	2.1	1.9	2.0	2.0	2.0	2.1	2.2	2.3
Total	18.5	17.1	16.1	15.3	15.2	15.7	15.7	16.3	16.7	17.3
Year-End Stocks (million barrels)										
Crude Oil (Industry)	339	358	363	350	344	345	321	331	349	330
Crude Oil (SPR)[3]	91	108	230	294	379	451	493	512	541	560
Products	911	926	891	786	731	760	705	750	718	707
Total[2]	1,341	1,392	1,484	1,430	1,454	1,556	1,519	1,593	1,607	1,597
Average Refiner Acquisition Cost of Crude Oil (dollars per barrel)	17.72	28.07	35.24	31.87	28.99	28.63	26.75	14.55	17.90	14.71
Average Domestic First Purchase Price of Crude Oil (dollars per barrel)	12.64	21.59	31.77	28.52	26.19	25.88	24.09	12.51	15.40	12.57

[1] Includes other hydrocarbons and alcohol.
[2] Totals may not equal sum of components due to independent rounding.
[3] SPR = Strategic Petroleum Reserve.
s = Less than 0.05 million barrels per day.
( ) = Stock build.
Sources: Energy Information Administration, *Annual Energy Review 1987*; Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1 and predecessor reports; Energy Information Administration, *Monthly Energy Review*, December 1988.

fields with declining reservoir pressures.[5] Average crude oil productivity per well dropped from a peak level of 18.4 barrels per day in 1972 to 13.4 barrels per day in 1987. Areas believed to have most of the remaining potential for finding large, prolific fields are in high-cost environments (i.e., deep water and Arctic regions).[6]

U.S. companies have been unable to sustain significant increases in national production of liquid hydrocarbons despite vast capital expenditures in the early 1980's (Table FE3). In fact, these large investments merely enabled U.S. companies to slow an inevitable production decline resulting from the predominance of old, heavily worked fields that characterize much of the U.S. petroleum production base.

Total U.S. liquid hydrocarbon production (from Alaska plus the lower 48 States) reflects highly stable production activity from 1980 through 1983. However, this overall picture of stability hides a very important distinction between production from Alaska and from the lower 48 States. Alaskan output has been growing annually since its North Slope fields began production in 1977; the only exception was in 1981 when a small decline occurred. On the other hand, production from the lower 48 States has been declining because of the predominance of old fields that are suffering a natural drop in productivity.

The declining trend of production in the lower 48 States was reversed in 1983 and 1984 by the effects of extensive infill development (drilling of additional wells between existing wells in a producing reservoir) as indicated by the relatively high level of well completions in the early 1980's (Table FE3). When the increased production from the lower 48 States complemented growing Alaskan output in 1984, total U.S. production turned sharply upward. As the effects of intensive drilling activity in the early 1980's began to wane, lower 48-State production resumed its downward trend, but total U.S. liquid hydrocarbon production was buoyed by expanding Alaskan production that helped the United States achieve an overall production gain in 1985.

The crude oil price crash of 1986 caused many unprofitable stripper wells to be shut in. During 1986, liquid hydrocarbon production dropped, on average, by 0.3 million barrels per day, reversing the gain made in 1984. The smaller number of producing wells, combined with declining productivity in many of the producing wells led to further declines in production during 1987 and 1988.

Table FE3. Crude Oil Prices, Capital Expenditures, and Well Completions

Year	Crude Oil First Purchase Price (dollars per barrel)	Capital Expenditures [1] (billion dollars)	Well Completions (thousand wells)
1979.....	12.64	25.8	51.91
1980.....	21.59	40.2	69.84
1981.....	31.77	65.4	90.03
1982.....	28.52	60.4	83.43
1983.....	26.19	50.5	74.90
1984.....	25.88	52.0	84.35
1985.....	24.09	48.7	69.18
1986.....	12.51	30.4	38.43
1987.....	15.40	27.1	34.25
1988.....	12.57	NA	30.45

[1] Capital expenditures for exploration and production.
NA= Not available.
Sources: Crude Oil Prices -- Energy Information Administration, *Monthly Energy Review*, December 1988, Table 9.1; Capital Expenditures -- Energy Information Administration, *Financial Reporting System* (Form EIA-28); Well Completions -- Energy Information Administration, *Monthly Energy Review*, December 1988, Table 5.2.

Proved Reserves

Proved reserves make up the defined pool of hydrocarbons from which U.S. companies can currently extract oil and gas. They constitute the domestic petroleum production base and are the primary source of oil and gas used in the United States. To the extent that this pool of oil and gas cannot satisfy domestic needs, the United States must draw down stocks or look abroad for additional supplies to meet current demand.

When a newly drilled exploratory well penetrates an oil or gas bearing zone or reservoir, an estimate of the discovered volume of proved reserves can be made. This estimate is based upon the initial flow data, thickness of the reservoir found, its apparent areal extent, and electrical and other measurements taken inside the hole that provide information about reservoir rock porosity (void space), permeability (ability to conduct fluid flow), fluid saturations, pressures, and temperatures. The estimate of proved reserves is based on a limited amount of data available from the single well and interpretation of any seismic or other geologic data that are available. Therefore, it is emphasized that this estimate is only a preliminary judgment as to the amount of oil and gas in place that has been found and the amount that can be economically recovered.[7]

Estimates of the volume of total U.S. proved reserves are continually changing as greater knowledge of the oil reservoirs is gained by increased drilling and well development. As additional wells are completed, the extent of a reservoir can be more accurately delineated. This sometimes results in a reassessment of the volume of oil contained in the reservoir; additional volumes are referred to as "extensions."[7]

[5] Energy Information Administration, *Impact of Surveillance Production in the United States*, DOE/EIA-0459, (Washington, DC, November 1984), p. 11.
[6] National Petroleum Council, *Factors Affecting U.S. Oil and Gas Outlook*, (Washington, DC, February 1987), P. 126.
[7] Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216 (87), (Washington, DC, October 1988), pp. 2, 101.

Substantial costs are associated with well-drilling activity. The magnitude of drilling activity undertaken by investors relates directly to current crude oil and natural gas price levels and to the perceived nature of future price trends. Average crude oil first-purchase (wellhead) prices plummeted 48 percent in 1986 (Table FE3). Prices recovered somewhat during 1987 but declined again in 1988, thereby displaying a continuing price instability. Wellhead prices for natural gas have declined 36 percent since 1984. These downward price trends and price instability are reflected in the precipitous drop of 44 percent in well completions during 1986 and a decline of an additional 21 percent through 1988 (Table FE3).

As well completions dropped in 1986, proved reserves of liquid hydrocarbons followed, dropping 3.6 percent (Table FE4). Even though well completions declined an additional 11 percent in 1987 (Table FE3), proved reserves of liquid hydrocarbons increased by 349 million barrels. This anomaly is due to a large upward revision in crude oil reserve estimates rather than new discoveries.[8]

Data are not yet available on reserve development activity in 1988. However, on the basis of price trends and the number of well completions reported for the year, some inferences can be made.

In 1988, crude oil wellhead prices declined to an average monthly level of $12.57 per barrel (Table FE2). Low and declining prices in 1988 curtailed drilling activity during the year as evidenced by fewer well completions and less footage drilled than in 1987; the lower number of well completions implies a decline in the number of reservoir extensions and new discoveries and, hence, an overall decline in U.S. proved reserves.

Table FE4. Proved Reserves of Liquid Hydrocarbons
(Million Barrels)

Year	Crude Oil	Natural Gas Liquids	Total
1978	31,355	6,772	38,127
1979	29,810	6,615	36,425
1980	29,805	6,728	36,533
1981	29,426	7,068	36,494
1982	27,858	7,221	35,079
1983	27,735	7,901	35,636
1984	28,446	7,643	36,089
1985	28,416	7,944	36,360
1986	26,889	8,165	35,054
1987	27,256	8,147	35,403

Source: Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 1987 Annual Report*, Table 1.

Furthermore, drilling activity within the United States during 1988 was oriented toward low-risk and low-cost development projects; this implies that reserve additions in 1988 will be attributable mainly to reassessment of existing reservoirs rather than discoveries of new fields and reservoirs. To complement this relatively low-risk, low-cost drilling activity, many companies are acquiring additional reserves through the purchase of producing leases.[9] If the focus on low-risk development projects and reserve acquisition through purchases continues, U.S. petroleum reserves will dwindle rapidly as domestic demand grows and discoveries of new reservoirs and oilfields decline.

Indigenous Production

As noted earlier, most U.S. producing fields are old and are experiencing a natural decline in productivity. Of great significance for the U.S. petroleum supply is the additional oil that can be extracted from known deposits by increasing the number of wells penetrating an oil reservoir; this brings larger portions of the reservoir closer to production outlets. This conventional recovery method, known as infill development, has been the chief means of increasing production from a reservoir in recent years.[10]

Without increased production from prolific new fields and/or sustained high levels of infill drilling and the application of enhanced oil recovery techniques, overall U.S. production of liquid hydrocarbons will decline.

Drilling activity (as measured by the average number of rotary rigs in operation) during 1988 remained at the same level as in 1987 with a weekly average of 936 rotary rigs in operation. Despite this parity in rotary rig activity, about 3,800 fewer wells were completed and nearly 13 million fewer feet were drilled.

To help combat the problem of declining indigenous production, an unconventional technique (horizontal drilling) is gaining popularity. It is believed that horizontal wellbores can increase production in some reservoirs dramatically.[11] The main reason is that horizontal wells can reach larger portions of some reservoirs, particularly those with a relatively small vertical extent and an expansive horizontal length. In addition, current technology allows horizontal wells to be drilled below the gas cap or above the oil/water contact where oil structures are associated with gas or water; this eliminates the production of unwanted gas or water. Another advantage of horizontal wells is that such wells drilled into fractured reservoirs, expose more of the oil-laden fractures to the wellbore. These advantages lead some experts to believe that as many as 30 percent of all wells drilled in the next decade will be of this type.

[8] Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216 (87), (Washington, DC, October 1988), Table 1.
[9] *Oil and Gas Journal*, "U.S. Operators Increasingly Tend to Buy Reserves Rather Than Drill," (Tulsa, Oklahoma, July 11, 1988), pp. 17-19.
[10] National Petroleum Council, *Factors Affecting U.S. Oil and Gas Outlook*, (Washington, DC, February , 1987), p. 129.
[11] *Petroleum Intelligence Weekly*, "The Next Best Thing to Finding a Giant Oilfield?" (New York, NY, October 3, 1988), pp.4, 5.

Total indigenous production of liquid hydrocarbons during 1988 continued the annual decline that began in 1986 after 6 years of small to moderate gains. The 1988 decline in production can be attributed to two principal factors. First, and perhaps foremost, the decrease in annual well completions since 1985 (Table FE3) implies a decline in the requisite infill development necessary to stem the natural decline in productivity suffered by most U.S. oil fields. Second, crude oil prices have not risen enough to induce operators to reopen many of the stripper wells that were closed since 1986.

More than three-fourths of total U.S production takes place in five regions; Texas, Alaska, California, Federal Offshore regions, and Louisiana (Table FE5). All of these regions except Alaska experienced production declines in 1988. The combined decrease in production for Texas, California, Federal Offshore regions, and Louisiana amounted to 71.3 million barrels. The largest drop of 25.9 million barrels occurred in the Federal Offshore regions of the Gulf where the relatively costly offshore production apparently suffered because of the industry focus on low-cost development activity. The second largest decline in production occurred in Texas where a drop of nearly 25.5 million barrels took place; this region, perhaps most dependent on substantial infill development and enhanced recovery techniques, may have received more attention than offshore Gulf regions because of relatively low-costs. California and Louisiana suffered the largest proportion of their production declines in their onshore fields which account for the major part of their production.

Table FE5. Crude Oil Production by Major Producing Regions
(Million Barrels)

Geographic Region	1986	1987	1988
Texas	819.6	761.0	735.5
Onshore	817.5	759.2	734.0
Offshore (State)	2.1	1.8	1.5
Alaska	681.3	716.0	738.1
Onshore	665.9	693.2	687.3
Offshore (State)	15.4	22.7	50.9
California	378.1	364.6	354.7
Onshore	343.4	334.2	326.6
Offshore (State)	34.7	30.4	28.2
Federal Offshore	378.9	356.6	330.7
PAD District III	350.3	325.5	299.5
PAD District V	28.6	31.1	31.3
Louisiana	181.8	175.0	165.0
Onshore	155.2	149.9	140.3
Offshore (State)	26.6	25.2	24.7
Other States	728.6	674.2	655.0
Total U.S.	3,168.3	3,047.4	2,979.1

Note: Regional totals may not equal sums of components due to independent rounding.
Sources: Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1, Table 9 and predecessor reports.

Of the major producing regions, only Alaska showed an increase in production levels during 1988. Alaska's oil fields have not yet experienced the same magnitude of loss in natural reservoir pressure that plagues the older producing areas of the lower 48 States. However, some Alaskan producing reservoirs are expected to begin to experience declines in productivity within the next few years. A planned expansion of gas handling facilities at the Prudhoe Bay field will allow natural gas to be re-injected into the oil field to increase reservoir pressures and offset to some degree the expected natural decline in productivity.[12] In 1988, about 93 percent of Alaskan production came from two fields: Prudhoe Bay (1.57 million barrels per day) and Kuparuk River (0.30 million barrels per day). The next most significant producing field was the new Endicott field which began deliveries to the Trans-Alaskan Pipeline in October 1987;[13] it produced at a rate of 0.10 million barrels per day in 1988.

Foreign Trade

Imports of petroleum are needed to satisfy the portion of U.S. petroleum demand that cannot be met by domestic production and stock drawdown. Domestic production is likely to continue its decline of the past 3 years. Stock drawdown satisfies seasonal demand surges but ordinarily has little impact on meeting annual demand. From 1986 through 1988, low crude oil prices contributed to reduced domestic petroleum production on the one hand and large increases in petroleum product demand on the other. The inevitable result was a large increase in imports in 1986 and smaller, but significant increases in imports in 1987 and 1988.

Exports make up only a small portion of total U.S. foreign trade in petroleum. U.S. refiners use exports as an outlet for domestically refined products that are in excess of regional needs or unsuitable for domestic use.

Foreign Dependence

When domestic petroleum demand reached its highest level in 1978, the United States was heavily dependent on imported oil. Net imports dropped 46 percent from 1979 through 1985, as the gap between domestic production and demand narrowed

[12] *Oil and Gas Journal*, "Prudhoe Gas Plant Expansion to Hike Oil Output in 1990," (Tulsa, Oklahoma, July 11, 1988), p. 30.
[13] Alaskan Oil and Gas Conservation Commission Bulletin, December 1987, p. 1.

(Figure FE1). The need for imported oil diminished over this period mainly because of a price-induced drop in demand of 15 percent, but also in response to a 4-percent increase in domestic production.

The price crash of 1986 caused a reversal in this trend. During 1986 and 1987, indigenous production of liquid hydrocarbons dropped, low petroleum prices led to some stock building, and use of petroleum increased. The result was an increase in U.S. imports of 1.6 million barrels per day over the 2-year period.

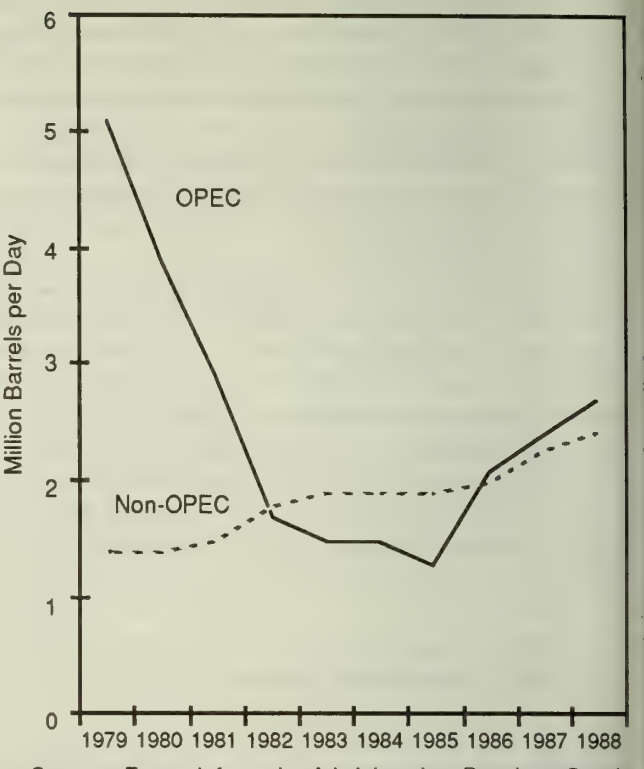
During 1988, U.S. imports increased to 7.4 million barrels per day; this is 0.7 million barrels per day above the 1987 level and 2.3 million barrels per day above 1985 imports. The increase in U.S. dependence on foreign petroleum can be attributed primarily to a growing need for petroleum products by the robust U.S. economy and to the inability of the United States to meet these growing petroleum needs from domestic resources. Since 1985, domestic petroleum demand has increased 1.6 million barrels per day while indigenous production has declined 0.8 million barrels per day; the deficit has been made up largely from an increase in net imports of 2.3 million barrels per day (Figure FE1).

In keeping with historical patterns since the mid-1970's, crude oil imports made up by far, the largest portion of total U.S. petroleum imports, more than doubling product receipts. Crude oil imports rose 0.4 million barrels per day above the 1987 level for a 1988 average level of 5.1 million barrels per day. The large increase in crude oil imports was needed to supplement declining levels of indigenous production and a relatively large stock drawdown as refiners ran their facilities at near-capacity levels to take advantage of attractive profit margins.

Product imports increased about 0.3 million barrels per day over the 1987 level. The increase in product import levels was needed mainly to satisfy increased demand for distillate and residual fuel oil and jet fuels that could not be met from domestic refinery output. Additional foreign supplies of LPG's allowed a small stock-build despite very heavy demand by petrochemical manufacturers. Although there was no substantial overall increase in motor gasoline import levels in 1988, high levels of imports in the summer were essential in meeting very heavy summer demand and for replacing stocks that had been severely depleted during June.

As crude oil imports increased, U.S. dependence on OPEC also increased but remains far below the levels of the late 1970's and early 1980's (Figure FE2). OPEC provided 53 percent of U.S. crude oil imports in 1988 (Table FE6). About 28 percent of U.S. crude oil imports comes from the politically volatile Persian Gulf region. An additional 38 percent comes from nearby Western Hemisphere nations.

Figure FE2. OPEC Versus Non-OPEC Imports of Crude Oil, 1979-1988



Sources: Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1, Table 15, and predecessor reports.

Export Trends

U.S. refiners function primarily to meet U.S. petroleum product demand. However, there is often an imbalance between refinery yield and product demand within a refiner's market area, causing the refiner to market excess products either in another domestic region or in foreign areas.[14]

Most petroleum products are exported from the Gulf Coast (Petroleum Administration for Defense (PAD) District III) and the West Coast (PAD District V), where the first and third heaviest concentrations of U.S. refinery capacity, respectively, are situated. Production and export of heavy products is greatest from the West Coast because of the large volumes and physical makeup of the very heavy crude oils (averaging 25.33 degrees API gravity) that are processed there. In addition, product specifications (e.g., sulfur levels) may preclude the use of some locally produced fuel oils in parts of that region. Exports from the Gulf Coast can be attributed mainly to the large volume of products refined; 46 percent of U.S. refinery production occurred there in 1988.

Total export levels have nearly doubled over the past decade but have remained fairly stable since 1982 (Table FE7). Petro-

[14] National Petroleum Council, *U.S. Petroleum Refining*, (Washington, DC, October 1986), p. 6.

Table FE6. Gross Imports of Crude Oil by Country of Origin, 1979-1988
(Million Barrels per Day)

Country of Origin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Arab OPEC										
Algeria	0.61	0.46	0.26	0.09	0.18	0.19	0.08	0.08	0.11	0.06
Iraq	.09	.03	.00	s	.01	.01	.05	.08	.08	.34
Kuwait	.01	.03	.00	s	.01	.02	s	.03	.07	.08
Qatar	.03	.02	.01	.01	.00	s	.00	.01	.00	.00
Saudi Arabia	1.35	1.25	1.11	.53	.32	.31	.13	.62	.64	.90
United Arab Emirates	.28	.17	.08	.08	.02	.09	.04	.04	.06	.02
Libya	.64	.55	.32	.02	.00	.00	.00	.00	.00	.00
Neutral Zone	-	-	-	-	-	-	-	-	-	.01
Subtotal Arab OPEC	3.00	2.50	1.77	.74	.53	.63	.30	.85	.96	1.41
Other OPEC										
Ecuador	.03	.02	.04	.03	.06	.05	.06	.06	.02	.03
Gabon	.04	.03	.04	.04	.06	.06	.05	.02	.03	.02
Indonesia	.38	.31	.32	.23	.32	.30	.29	.30	.26	.19
Nigeria	1.07	.84	.61	.51	.30	.21	.28	.44	.53	.61
Venezuela	.29	.16	.15	.16	.16	.25	.31	.42	.49	.44
Iran	.30	.01	.00	.04	.05	.01	.03	.02	.10	s
Subtotal Other OPEC	2.11	1.36	1.15	1.00	.94	.88	1.01	1.26	1.43	1.28
Total OPEC	5.11	3.86	2.92	1.73	1.48	1.51	1.31	2.11	2.40	2.70
Non-OPEC										
Mexico	.44	.51	.47	.65	.77	.66	.72	.62	.60	.67
Canada	.27	.20	.16	.21	.27	.34	.47	.57	.61	.68
United Kingdom	.20	.17	.37	.44	.37	.38	.28	.32	.30	.25
Trinidad and Tobago	.12	.12	.10	.09	.08	.09	.10	.09	.08	.07
Angola	.04	.04	.05	.04	.07	.09	.10	.10	.18	.20
Norway	.08	.14	.11	.10	.07	.11	.03	.05	.07	.06
Colombia	.00	.00	.00	.00	.00	.00	.00	.06	.11	.11
All Other	.26	.22	.21	.22	.23	.25	.20	.25	.32	.36
Subtotal Non-OPEC	1.41	1.40	1.47	1.76	1.85	1.91	1.89	2.07	2.27	2.41
Total Imports	6.52	5.26	4.40	3.49	3.33	3.43	3.20	4.18	4.67	5.11

s=Less than 0.005 million barrels per day.
Note: Totals may not equal sums of components due to independent rounding. Prior to 1988, data on imports from the Neutral Zone were included with imports from Saudi Arabia and Kuwait.
Source: Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1, Table 15 and predecessor reports.

Table FE7. Exports of Crude Oil and Major Products, 1979-1988
(Million Barrels per Day)

Commodity	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Crude Oil	0.24	0.29	0.23	0.24	0.16	0.18	0.20	0.15	0.15	0.15
Natural Gas Liquids	.02	.02	.04	.07	.07	.05	.06	.04	.04	.05
Distillate Fuel Oil	s	s	s	.07	.06	.05	.07	.10	.07	.07
Residual Fuel Oil	.01	.03	.12	.21	.19	.19	.20	.15	.19	.20
Petroleum Coke	.15	.14	.14	.16	.20	.19	.19	.24	.21	.23
Other Products	.06	.06	.06	.08	.06	.06	.06	.10	.11	.11
Total Exports	.47	.54	.60	.82	.74	.72	.78	.78	.76	.82

s=Less than 0.005 million barrels per day.
Note: Totals may not equal sums of components due to independent rounding.
Source: Energy Information Administration, *Petroleum Supply Annual 1988*, Volume 1, Table 16 and predecessor reports.

leum coke and residual fuel oil continue to be the principal export products. During 1988, about 42 percent of petroleum coke production and 22 percent of residual fuel oil output were exported. Residual fuel oil exports dropped in 1986 because of increased use by domestic electric utilities, as residual fuel oil benefitted from a price advantage over natural gas. In 1987, the residual fuel oil price advantage disappeared and electric utilities with dual-firing capability switched back to cheaper natural gas.

During 1988, residual fuel oil again benefitted from a competitive price with natural gas and again consumption increased. However, high levels of residual fuel oil production accruing from high-level utilization of refinery distillation capacity and continued moderately high levels of cost-saving residual fuel oil imports left some refiners with excess supplies. Consequently, residual fuel oil exports remained high despite increased consumption levels.

Exports of crude oil are restricted to crude oil produced from fields under the State waters of Alaska's Cook Inlet, certain domestically produced crude oil destined for Canada, and shipments to U.S. territories. Nearly 92 percent of the total crude oil exported went to U.S. territories in the Caribbean. Most of the remainder was exported to Canada and a small volume was shipped to China (Taiwan).

Inventory Activity

Petroleum products are produced and delivered to consumers via complex interrelated systems of transportation, storage,processing, and distribution. The storage segment of this interrelated network and the inventories contained therein play a vital role in assuring an uninterrupted and adequate flow of petroleum products to consumers.

The primary concern of inventory managers is to ensure that a minimum operating inventory (MOI) is maintained at critical points throughout the transportation, processing, and distribution network. Minimum operating inventory is defined by the National Petroleum Council as "the level of inventory that is necessary to maintain smooth operations and avoid runouts and below which operating problems and shortages would begin to appear in a defined distribution system." The MOI is a fairly stable inventory level that changes slowly in response to major structural changes in the transportation, processing, and distribution systems. Inventory levels above the MOI are much more volatile and change more frequently in response to short-term changes in petroleum demand, financial conditions, and political developments that may threaten the security of petroleum supply flows.

Petroleum product stock levels declined to 705 million barrels by the end of 1985, generally following a long-term decline in petroleum demand which began in 1979 (Table FE2). Industry crude oil stocks remained fairly stable throughout the sar period.

Ample crude oil stocks afforded refiners an opportunity meet product demand by using underutilized refining capaci to convert crude oil into needed products. During 198 product inventories were boosted to 750 million barrels, refiners operated closer to distillation capacity limits a higher product stocks were considered necessary in view climbing demand. Very low crude oil acquisition costs a low inventory holding costs induced a buildup of 10 milli barrels in privately owned crude oil inventories. Total p vately owned industry stocks dropped about 14 million barr in 1987 as crude oil stocks rose by 18 million barrels response to anticipated higher price levels. The crude oil sto increase was offset by a 32-million barrel drawdown product stocks, perhaps resulting from demand of seconda stockholders with expectations of future price increases.

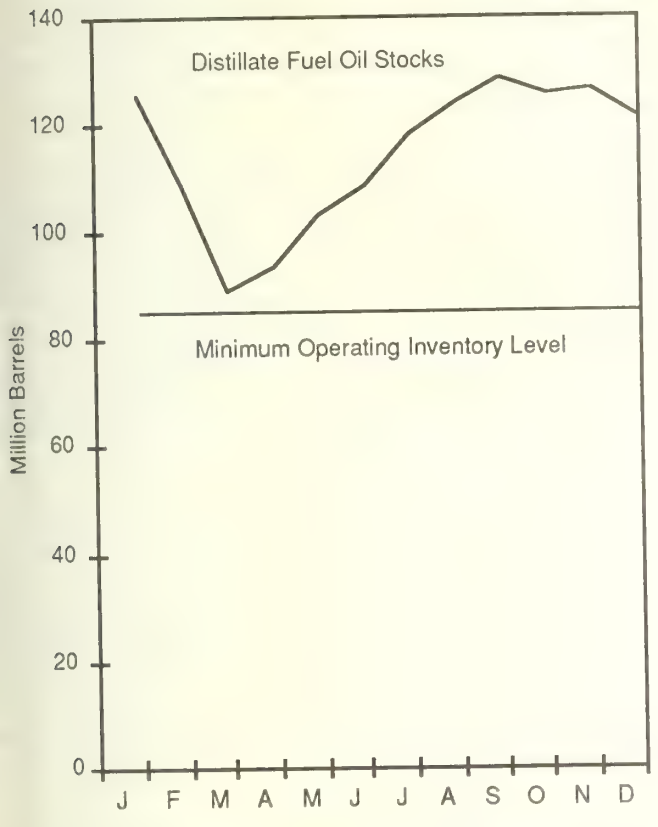
During 1988, industry primary stocks declined for the seco straight year following the large buildup in 1986. Crude inventories were down 19 million barrels from ending 19 levels and product stocks dropped more than 10 milli barrels. Several factors contributed to the depletion of stoc but the most significant factors were declining crude oil pric and very heavy product demand.

Crude oil stocks expanded during the first half of 1988 response to low prices and uncertain future price trend However, during the latter half of the year, crude oil stoc were drawn down as refiners utilized their crude oil invent ries rather than imported crude oil. Refiners apparent expected to replace their crude oil stocks at lower prices overproduction by OPEC caused crude oil prices to decli (Table FE2). High-level domestic refinery operations, i duced by wide margins between crude oil and product price was also a principal factor in depletion of crude oil stocks

Product stocks generally followed normal seasonal trends. relatively cold winter heightened normal demand for distilla heating fuels in the winter months; most of this winter dema was met by domestic refinery production but stock drawdow was the second most significant source of supply as declini fuel oil prices afforded inventory managers an opportunity f future stock replenishment at lower prices (Figure FE3). T drawdown of distillate stocks during the winter months is t principal reason for an overall decline in product stoc during 1988.

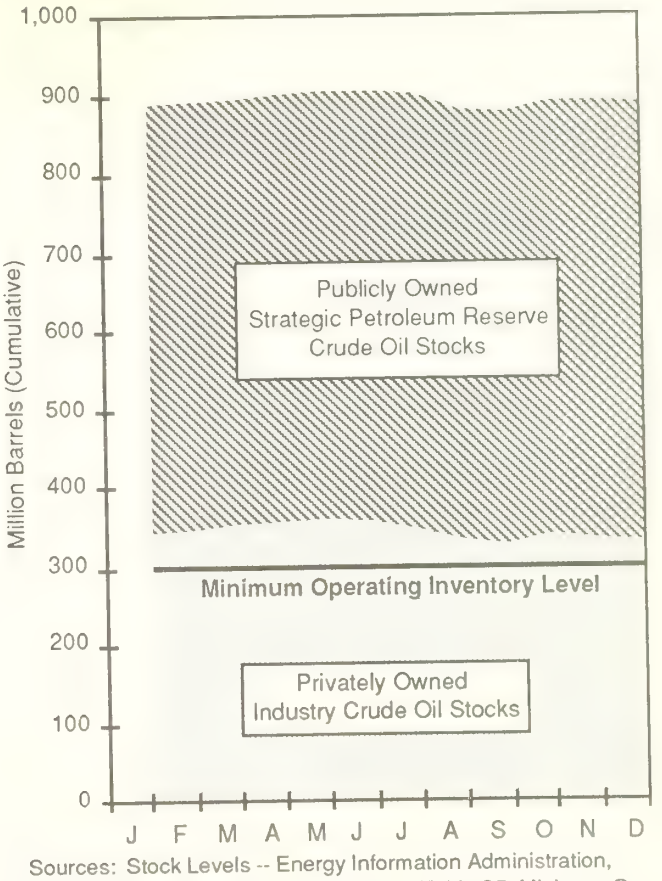
Seasonal drawdown of motor gasoline and distillate fuel stocks was offset somewhat by off-season stockbuilding motor gasoline (colder months) and distillate fuel oils (warm months) that were produced as coproducts while refineri operated at very high levels to satisfy product demand throug out the year. This offsetting stockbuild minimized the depl tion of distillate fuel oil stocks and resulted in an over

Figure FE3. Distillate Fuel Oil Stock Levels, 1988



Sources: Stock Levels -- Energy Information Administration, *Petroleum Supply Annual 1988,* Volume 1, Table S2; Minimum Operating Inventory -- National Petroleum Council, *Petroleum Storage and Transportation,* Volume 4, April 1989.

Figure FE4. Crude Oil Stock Levels, 1988



Sources: Stock Levels -- Energy Information Administration, *Petroleum Supply Annual 1988,* Volume 1, Table S5; Minimum Operating Inventory -- National Petroleum Council, *Petroleum Storage and Transportation,* Volume 4, April 1989.

stockbuild of motor gasoline despite near-record demand for both products.

Security Afforded by Current Petroleum Inventories

Privately owned industry crude oil stocks are currently maintained only slightly above estimated MOI levels. These minimum levels are used to gauge the sufficiency of stocks to maintain normal day-to-day operations. They do not provide for reserves to accommodate severe or long-term supply disruptions. Consequently, by themselves, current levels of privately owned industry stocks would afford little protection against a large, international supply disruption.

The U.S. Government is filling several artificially created reservoirs with crude oil. The stocks in these reservoirs are known collectively as the Strategic Petroleum Reserve (SPR). The SPR, in combination with privately owned industry crude oil stocks (Figure FE4), makes the U.S. crude oil emergency supply far more secure. It is the present goal of the U.S. Government to fill the SPR to a level of 750 million barrels. At the end of 1988, the SPR contained 560 million barrels and filling continues.

Refinery Capacity and Utilization

Crude oil distillation capacity is sometimes used as a general measure of the U.S. petroleum industry's ability to satisfy petroleum product demand by use of domestic processing facilities. Over the long term, refinery distillation capacity has generally increased or decreased in parallel with product demand levels. U.S. distillation capacity ordinarily trails demand, but an abrupt downturn and subsequent steep decline in demand from 1979 through 1983 resulted in excessive crude oil distillation capacity. This situation persisted until 1985 by which time crude oil distillation capacity had been reduced to a level slightly below product demand level, primarily by the closing of refineries.

The rate at which distillation capacity is utilized is a measure of the ability of U.S. refiners to meet short-term changes in petroleum product requirements. The utilization rate can also be used as a measure of efficient refinery operation. The rate of utilization can fluctuate widely because changes in petroleum product demand and the resulting changes in refinery operations occur more rapidly than changes in crude oil distillation capacity.

Crude oil distillation capacity was utilized at an average rate of more than 90 percent during the 30-year period from 1950 through 1979. This sustained high rate of utilization is a general benchmark for efficient levels of distillation capacity use. From 1980 through 1985, when distillation capacity exceeded petroleum product demand, the average distillation capacity utilization rate dropped to a less efficient 73 percent, as a large portion of distillation capacity remained idle. By 1987, refinery efficiency had improved as the annual average distillation capacity utilization rate had increased to 83.1 percent. Crude oil distillation capacity declined to 15.6 million barrels per day and petroleum product demand rose sharply to 16.7 million barrels per day. Consequently, it was necessary to use a larger portion of remaining distillation capacity to meet the higher level of demand.

In 1988, refinery utilization of distillation capacity increased to a rate of 84.4 percent despite an increase in average distillation capacity to 15.9 million barrels per day. Tl increased utilization was induced by wide refiner profit ma gins as heavy consumption helped firm product prices whi crude oil costs declined due to OPEC overproduction. Son regions in PAD District II actually exceeded nameplate capa ity during the months of peak motor gasoline consumptio

On the basis of the high-level utilization of distillation capa ity that prevailed for so many years, it appears that the curre U.S. distillation capacity could accommodate a substantial i crease in petroleum product demand. However, according the National Petroleum Council, motor gasoline output constrained by limited capacity of downstream conversi and octane-enhancement facilities.[15] According to a 19 estimate by the National Petroleum Council, U.S. refine would be limited to an estimated 6.7- to 6.8-million barrels p day output of motor gasoline.

Since the 1986 National Petroleum Council estimate, t addition of downstream processing capacity has apparen expanded the 6.8 million barrel-per-day maximum som what. However, 1988 average output of nearly 7.0 milli barrels per day may be approaching the U.S. limit for mot gasoline production especially since output is now heavi weighted toward unleaded gasoline which poses special c tane-enhancement requirements that limit refinery yields.

[15] National Petroleum Council, *U.S. Petroleum Refining*, (Washington, DC, October 1986).

Summary Statistics

Changes in Natural Gas Liquids and Crude Oil Statistics

Beginning in 1988, adjustments are being made to refinery inputs and product supplied of natural gas liquids (NGLs) and refinery inputs of crude oil to account for refiner misreporting. Substantial volumes of NGLs are produced at natural gas processing plants in Alaska and injected into the crude oil moving in the Trans Alaska Pipeline System (TAPS). Refiners receiving any crude oil commingled with NGLs are instructed to report the NGL portion of that stream separately from the crude oil portion. This has not been done for Alaskan crude oil because refiners are unable to identify these volumes for accounting purposes. As a result, the NGL production in Alaska has been credited directly toward product supplied and also toward product supplied from refinery production when the refiner processes the crude oil-NGL mixture. In addition, the reporting of the commingled stream as crude oil by the refiner has overstated crude oil inputs and resulted in an increase in unaccounted for crude oil equal to the volume of NGL in the crude oil.

To offset this reporting error, an adjustment is being made to refinery input in all PAD Districts receiving Alaskan crude oil. The adjustment reduces the crude oil inputs and increases the NGL inputs by an equal amount. Each PAD District adjustment is a portion of the known Alaskan NGL production that is proportional to the PAD District's share of Alaskan crude oil received at all refineries in the United States. The greatest impact occurs in PAD District V for butane and pentanes plus.

The reporting problem began in 1987 and has grown as injections of NGLs into the TAPS have increased. Revisions for 1987 data are not planned.

Table S1. Crude Oil[1] and Petroleum Products Overview

	Field Production			Stock Withdrawal[2]			Ending Stocks[3]
	Total Domestic[4]	Crude Oil	Natural Gas Plant Liquids	Crude Oil[5]	Petroleum Products	Petroleum Products Supplied	Crude Oil[5] and Petroleum Products
	Thousand Barrels per Day						Million Barrels
1973 **Average**	**10,975**	**9,208**	**1,738**	**11**	**-146**	**17,308**	[8] **1,008**
1974 **Average**	**10,498**	**8,774**	**1,688**	**-62**	**-117**	**16,653**	[8] **1,074**
1975 **Average**	**10,045**	**8,375**	**1,633**	[8] **-17**	[8] **-15**	**16,322**	**1,133**
1976 **Average**	**9,774**	**8,132**	**1,603**	**-39**	**96**	**17,461**	**1,112**
1977 **Average**	**9,913**	**8,245**	**1,618**	**-170**	**-378**	**18,431**	**1,312**
1978 **Average**	**10,328**	**8,707**	**1,567**	**-78**	**172**	**18,847**	**1,278**
1979 **Average**	**10,179**	**8,552**	**1,584**	**-148**	**-25**	**18,513**	[8] **1,341**
1980 **Average**	**10,214**	**8,597**	**1,573**	**-98**	**-42**	**17,056**	[8] **1,392**
1981 **Average**	**10,230**	**8,572**	**1,609**	[8] **-290**	[8] **130**	**16,058**	[8] **1,484**
1982 **Average**	**10,252**	**8,649**	**1,550**	**-136**	**283**	**15,296**	[8] **1,430**
1983 **Average**	**10,299**	**8,688**	**1,559**	[8] **-214**	[8] **234**	**15,231**	**1,454**
1984 **Average**	**10,554**	**8,879**	**1,630**	**-199**	**-81**	**15,726**	**1,556**
1985 **Average**	**10,636**	**8,971**	**1,609**	**-50**	**153**	**15,726**	**1,519**
1986 January	10,911	9,137	1,711	-383	-151	16,088	1,535
February	10,916	9,173	1,696	-37	804	16,186	1,514
March	10,664	9,013	1,604	-345	1,160	16,276	1,489
April	10,435	8,864	1,523	41	262	15,945	1,479
May	10,440	8,838	1,543	260	-1,109	15,993	1,506
June	10,187	8,623	1,504	3	-1,238	16,049	1,543
July	10,225	8,660	1,507	-541	-422	16,307	1,573
August	9,875	8,374	1,445	242	-551	16,618	1,582
September	9,852	8,328	1,468	-217	-973	15,909	1,618
October	9,954	8,419	1,477	-233	476	16,602	1,610
November	10,061	8,412	1,569	95	-147	16,221	1,612
December	9,985	8,352	1,571	186	443	17,131	1,593
Average	**10,289**	**8,680**	**1,551**	**-78**	**-124**	**16,281**	--
1987 January	10,139	8,480	1,582	-166	376	16,684	1,586
February	10,073	8,389	1,618	-22	831	16,908	1,563
March	10,131	8,464	1,598	-125	340	16,165	1,557
April	10,139	8,498	1,590	50	532	16,524	1,539
May	9,977	8,336	1,585	36	-116	16,026	1,542
June	9,906	8,279	1,578	-165	-42	16,830	1,548
July	9,895	8,251	1,582	33	-372	17,113	1,558
August	9,843	8,210	1,571	-345	-737	16,346	1,592
September	9,851	8,205	1,582	-220	-236	16,670	1,606
October	10,037	8,364	1,602	-661	523	16,941	1,610
November	10,112	8,397	1,637	-355	-478	16,343	1,635
December	10,001	8,318	1,621	405	482	17,445	1,607
Average	**10,008**	**8,349**	**1,595**	**-128**	**87**	**16,665**	--
1988 January	9,876	8,250	1,579	43	294	17,403	1,597
February	10,018	8,374	1,605	-133	868	17,760	1,576
March	10,071	8,374	1,636	-219	748	17,612	1,559
April	9,946	8,288	1,618	-190	-445	16,561	1,578
May	9,899	8,229	1,627	-96	-1,048	16,197	1,614
June	9,834	8,170	1,616	-43	109	17,059	1,612
July	9,713	8,040	1,618	261	-819	16,695	1,629
August	9,762	8,079	1,616	488	-307	17,482	1,624
September	9,575	7,895	1,621	83	-245	17,072	1,628
October	9,737	8,023	1,661	-399	333	17,580	1,630
November	9,751	8,023	1,666	-3	-25	17,620	1,631
December	9,641	7,942	1,634	188	911	18,365	1,597
Average	**9,818**	**8,140**	**1,625**	**-1**	**29**	**17,283**	--

1 Includes lease condensate.
2 A negative number indicates an increase in stocks and a positive number indicates a decrease.
3 Stocks are totals as of end of period.
4 Includes crude oil, natural gas plant liquids, other hydrocarbons, and alcohol.
5 Includes stocks located in the Strategic Petroleum Reserve.
6 Includes crude oil for storage in the Strategic Petroleum Reserve.
7 Net Imports equal Imports minus Exports.
8 In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations.
See Explanatory Note 8.

Footnotes continued on following page.

Table S1. Crude Oil[1] and Petroleum Products Overview (Continued)

	Imports			Exports			
	Total	Crude Oil[6]	Petroleum Products	Total	Crude Oil	Petroleum Products	Net Imports[7]
	Thousand Barrels per Day						
1973 Average	**6,256**	**3,244**	**3,012**	**231**	**2**	**229**	**6,025**
1974 Average	**6,112**	**3,477**	**2,635**	**221**	**3**	**218**	**5,892**
1975 Average	**6,056**	**4,105**	**1,951**	**209**	**6**	**204**	**5,846**
1976 Average	**7,313**	**5,287**	**2,026**	**223**	**8**	**215**	**7,090**
1977 Average	**8,807**	**6,615**	**2,193**	**243**	**50**	**193**	**8,565**
1978 Average	**8,363**	**6,356**	**2,008**	**362**	**158**	**204**	**8,002**
1979 Average	**8,456**	**6,519**	**1,937**	**472**	**235**	**237**	**7,984**
1980 Average	**6,909**	**5,263**	**1,646**	**544**	**287**	**258**	**6,365**
1981 Average	**5,996**	**4,396**	**1,599**	**595**	**228**	**367**	**5,401**
1982 Average	**5,113**	**3,488**	**1,625**	**815**	**236**	**579**	**4,298**
1983 Average	**5,051**	**3,329**	**1,722**	**739**	**164**	**575**	**4,312**
1984 Average	**5,437**	**3,426**	**2,011**	**722**	**181**	**541**	**4,715**
1985 Average	**5,067**	**3,201**	**1,866**	**781**	**204**	**577**	**4,286**
1986 January	5,573	3,472	2,101	859	159	700	4,714
February	4,676	2,968	1,709	876	162	715	3,800
March	4,712	2,988	1,724	732	212	520	3,980
April	5,439	3,684	1,755	850	94	756	4,589
May	6,400	4,250	2,150	724	98	625	5,676
June	6,848	4,635	2,213	642	240	401	6,206
July	6,942	4,726	2,216	685	65	620	6,256
August	7,168	4,859	2,309	868	233	635	6,300
September	7,090	5,031	2,059	714	161	553	6,375
October	6,427	4,419	2,008	831	151	680	5,597
November	6,592	4,615	1,977	821	115	706	5,771
December	6,700	4,412	2,288	820	159	661	5,881
Average	**6,224**	**4,178**	**2,045**	**785**	**154**	**631**	**5,439**
1987 January	6,353	4,385	1,968	703	84	619	5,650
February	5,984	3,866	2,118	977	284	694	5,007
March	5,794	3,779	2,015	720	150	570	5,074
April	5,911	4,132	1,779	870	247	624	5,041
May	6,073	4,340	1,732	666	69	597	5,407
June	6,769	4,807	1,962	669	116	554	6,099
July	7,588	5,295	2,293	680	149	531	6,908
August	7,454	5,510	1,944	664	141	523	6,790
September	7,178	5,110	2,068	795	116	680	6,382
October	7,068	5,142	1,926	646	84	562	6,422
November	7,068	5,013	2,055	737	164	573	6,331
December	6,833	4,640	2,194	1,057	220	838	5,776
Average	**6,678**	**4,674**	**2,004**	**764**	**151**	**613**	**5,914**
1988 January	7,181	4,662	2,519	885	206	679	6,296
February	7,256	4,650	2,605	864	146	718	6,392
March	6,944	4,868	2,076	834	213	622	6,110
April	7,270	5,167	2,103	676	114	562	6,594
May	7,469	5,339	2,130	814	138	676	6,655
June	7,239	5,322	1,917	938	138	800	6,301
July	7,297	5,100	2,197	826	186	640	6,471
August	7,386	5,089	2,296	814	152	661	6,572
September	7,506	5,212	2,294	673	119	554	6,833
October	7,830	5,551	2,279	732	166	566	7,098
November	7,714	5,070	2,644	717	148	569	6,997
December	7,727	5,230	2,497	1,008	129	879	6,719
Average	**7,402**	**5,107**	**2,295**	**815**	**155**	**661**	**6,587**

Footnotes continued.

(s) = Less than 500 barrels per day.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Figure S1. Petroleum Overview

(Thousand Barrels per Day)

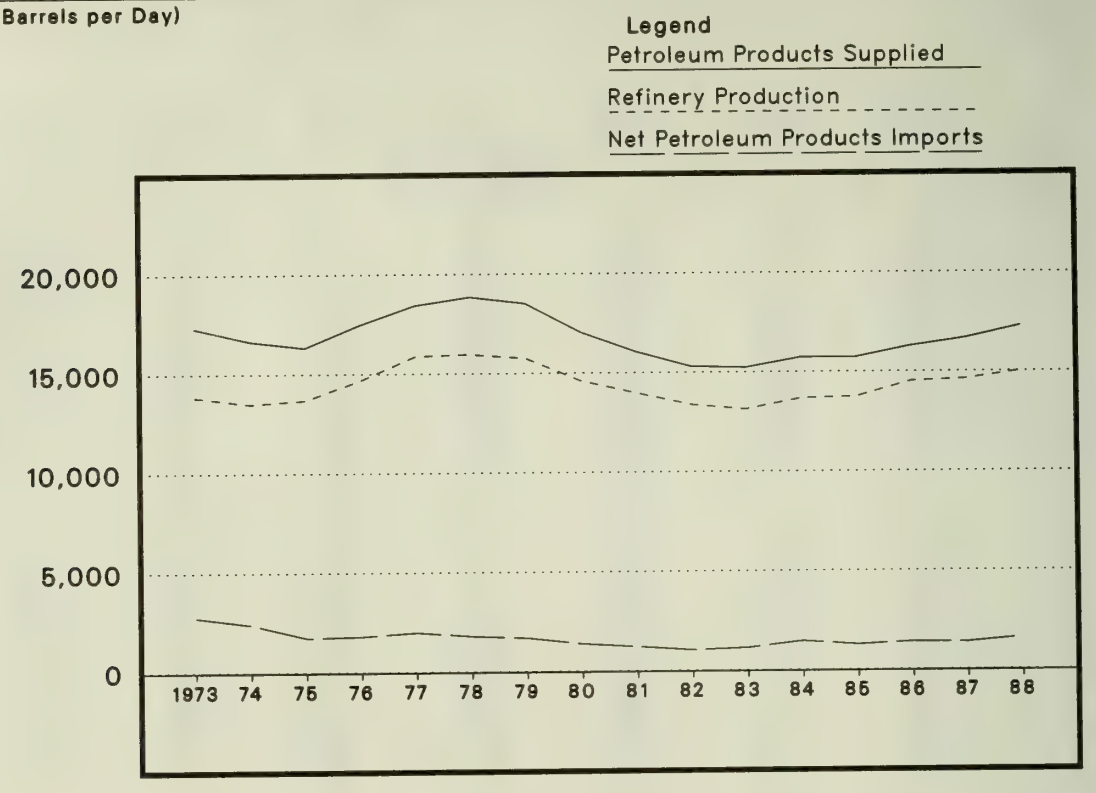


Figure S2. Petroleum Products Supplied

(Thousand Barrels per Day)

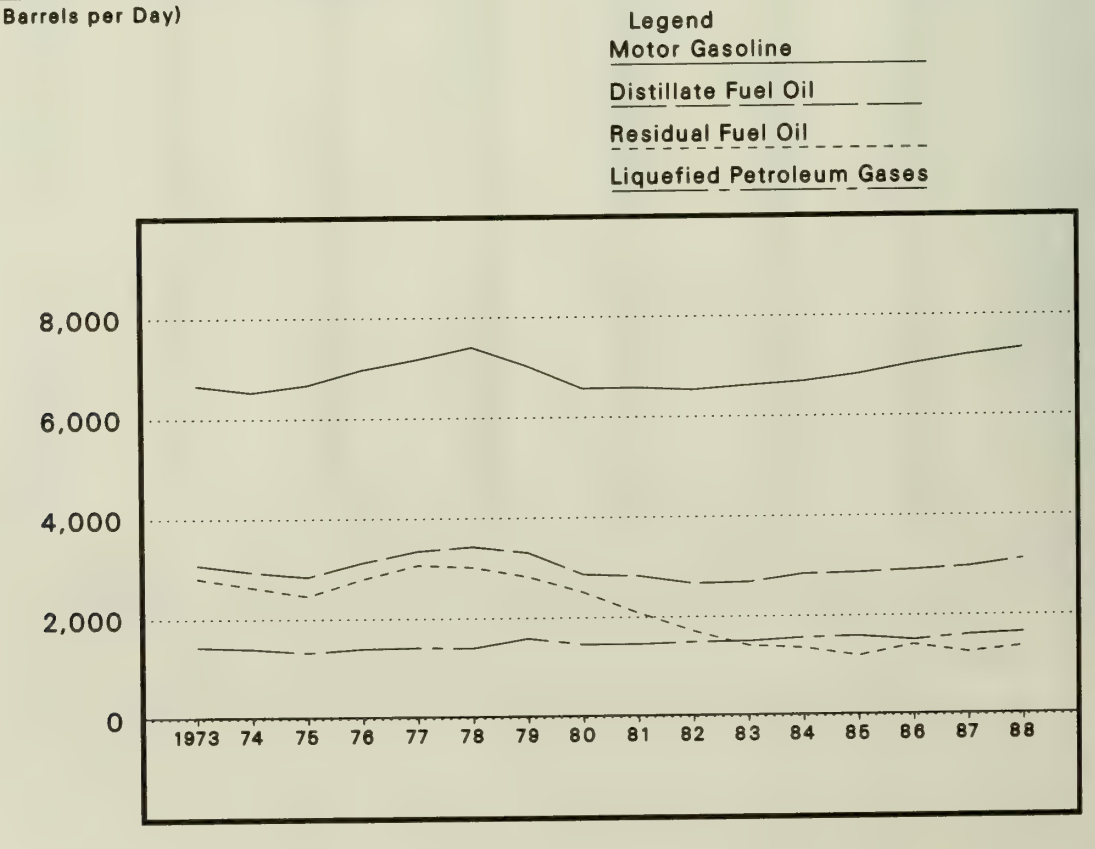


Figure S3. Crude Oil Supply and Disposition

(Thousand Barrels per Day)

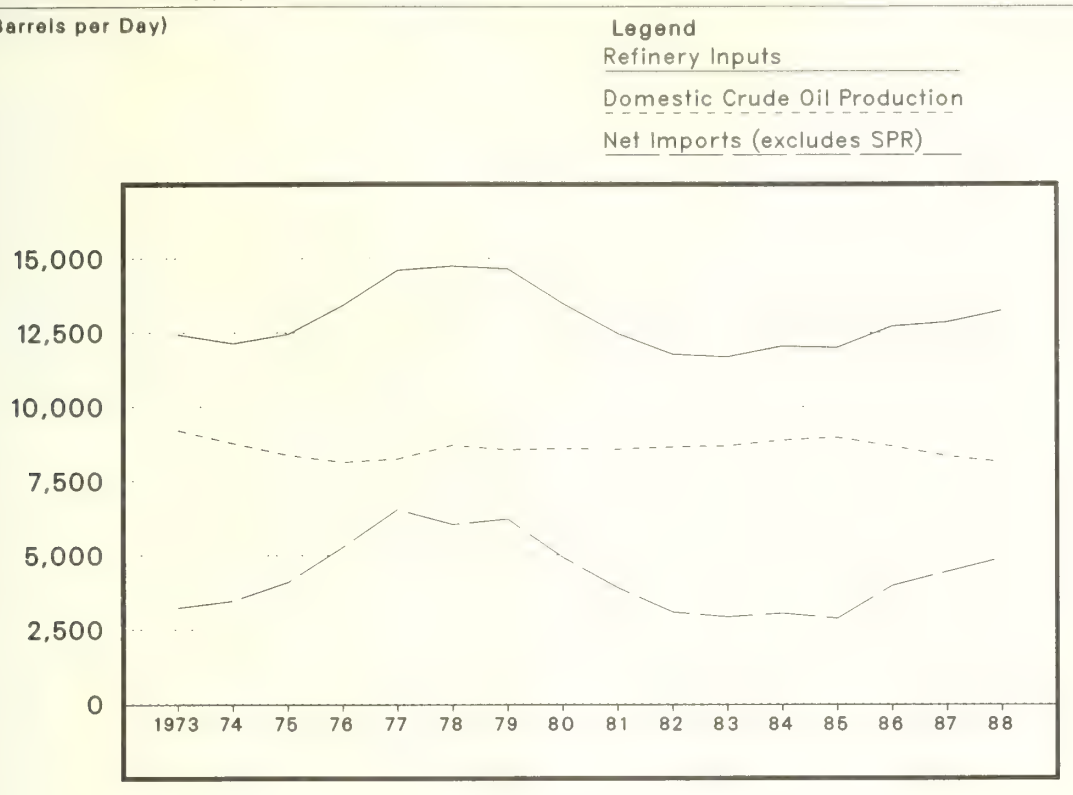


Figure S4. Crude Oil Ending Stocks

(Million Barrels)

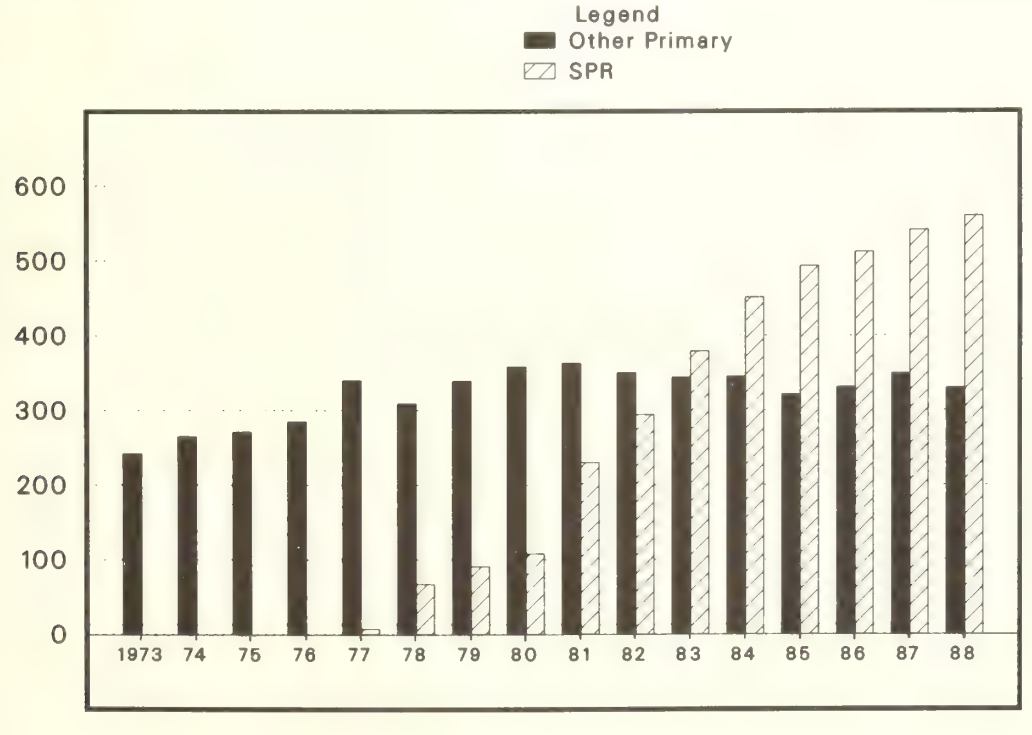


Table S2. Crude Oil[1] Supply and Disposition

		Supply							
		Field Production		Imports			Stock Withdrawal[3]		Unaccounted for Crude Oil[5]
		Total Domestic	Alaskan	Total	SPR[4]	Other	SPR[4]	Other	
		Thousand Barrels per Day							
1973	**Average**	**9,208**	**198**	**3,244**	**--**	**3,244**	**--**	**11**	**3**
1974	**Average**	**8,774**	**193**	**3,477**	**--**	**3,477**	**--**	**-62**	**-25**
1975	**Average**	**8,375**	**191**	**4,105**	**--**	**4,105**	**--**	**-17**	**17**
1976	**Average**	**8,132**	**173**	**5,287**	**--**	**5,287**	**--**	**-39**	**77**
1977	**Average**	**8,245**	**464**	**6,615**	**21**	**6,594**	**-20**	**-150**	**-6**
1978	**Average**	**8,707**	**1,229**	**6,356**	**162**	**6,195**	**-163**	**84**	**-57**
1979	**Average**	**8,552**	**1,401**	**6,519**	**67**	**6,452**	**-67**	**-81**	**-11**
1980	**Average**	**8,597**	**1,617**	**5,263**	**44**	**5,219**	**-45**	**-52**	**34**
1981	**Average**	**8,572**	**1,609**	**4,396**	**256**	**4,141**	**-336**	**[7] 46**	**83**
1982	**Average**	**8,649**	**1,695**	**3,488**	**165**	**3,323**	**-174**	**38**	**71**
1983	**Average**	**8,688**	**1,714**	**3,329**	**234**	**3,096**	**-234**	**[7] 20**	**114**
1984	**Average**	**8,879**	**1,722**	**3,426**	**197**	**3,229**	**-195**	**-4**	**185**
1985	**Average**	**8,971**	**1,825**	**3,201**	**118**	**3,083**	**-117**	**67**	**145**
1986	January	9,137	1,870	3,472	51	3,420	-35	-348	364
	February	9,173	1,907	2,968	24	2,944	-35	-2	32
	March	9,013	1,860	2,988	59	2,929	-49	-296	259
	April	8,864	1,836	3,684	63	3,621	-63	104	70
	May	8,838	1,927	4,250	36	4,215	-35	295	79
	June	8,623	1,887	4,635	64	4,571	-64	66	292
	July	8,660	1,903	4,726	52	4,674	-52	-489	189
	August	8,374	1,811	4,859	51	4,809	-51	293	93
	September	8,328	1,782	5,031	47	4,984	-47	-170	161
	October	8,419	1,927	4,419	37	4,382	-36	-197	223
	November	8,412	1,883	4,615	45	4,570	-65	160	-136
	December	8,352	1,807	4,412	48	4,365	-68	254	28
	Average	**8,680**	**1,867**	**4,178**	**48**	**4,130**	**-50**	**-28**	**139**
1987	January	8,480	2,019	4,385	92	4,293	-108	-58	-5
	February	8,389	1,853	3,866	44	3,822	-64	42	382
	March	8,464	1,968	3,779	95	3,684	-106	-19	151
	April	8,498	1,990	4,132	57	4,076	-67	116	120
	May	8,336	1,979	4,340	92	4,248	-101	137	51
	June	8,279	1,930	4,807	64	4,743	-69	-97	434
	July	8,251	1,910	5,295	76	5,218	-91	124	32
	August	8,210	1,908	5,510	63	5,447	-63	-281	177
	September	8,205	1,874	5,110	64	5,047	-64	-157	217
	October	8,364	1,986	5,142	57	5,085	-57	-604	-3
	November	8,397	2,068	5,013	97	4,916	-97	-258	115
	December	8,318	2,043	4,640	68	4,572	-68	472	101
	Average	**8,349**	**1,962**	**4,674**	**73**	**4,601**	**-80**	**-49**	**145**
1988	January	8,250	1,999	4,662	67	4,595	-67	110	216
	February	8,374	2,070	4,650	49	4,601	-49	-84	-50
	March	8,374	2,086	4,868	23	4,845	-26	-193	258
	April	8,288	2,029	5,167	78	5,090	-77	-112	27
	May	8,229	2,016	5,339	22	5,317	-22	-74	125
	June	8,170	1,984	5,322	70	5,252	-70	27	207
	July	8,040	1,960	5,100	42	5,058	-42	302	432
	August	8,079	2,009	5,089	26	5,064	-26	514	278
	September	7,895	2,019	5,212	84	5,128	-84	167	228
	October	8,023	2,010	5,551	43	5,508	-43	-356	160
	November	8,023	2,027	5,070	89	4,981	-89	86	258
	December	7,942	1,996	5,230	27	5,203	-27	215	196
	Average	**8,140**	**2,017**	**5,107**	**51**	**5,055**	**-52**	**51**	**196**

[1] Includes lease condensate.
[2] Stocks are totals as of end of period.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] Strategic Petroleum Reserve.
[5] Unaccounted for crude oil is a balancing item.
[6] Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.
[7] Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels.

See Explanatory Notes 8 and 9.

Footnotes continued on following page.

Table S2. Crude Oil[1] Supply and Disposition (Continued)

		Supply	Disposition				Ending Stocks[2]		
		Crude Used Directly[6]	Crude Losses	Refinery Inputs	Exports	Product Supplied[6]	Total	SPR[4]	Other Primary
		Thousand Barrels per Day					Million Barrels		
1973	**Average**	-19	13	12,431	2	--	242	--	242
1974	**Average**	-15	13	12,133	3	--	265	--	265
1975	**Average**	-17	13	12,442	6	--	271	--	271
1976	**Average**	-18	15	13,416	8	--	285	--	285
1977	**Average**	-14	16	14,602	50	--	348	7	340
1978	**Average**	-14	16	14,739	158	--	376	67	309
1979	**Average**	-13	16	14,648	235	--	430	91	339
1980	**Average**	-13	15	13,481	287	--	[7] 466	108	[7] 358
1981	**Average**	-58	5	12,470	228	--	594	230	363
1982	**Average**	-59	3	11,774	236	--	[7] 644	294	[7] 350
1983	**Average**	--	2	11,685	164	66	723	379	344
1984	**Average**	--	2	12,044	181	64	796	451	345
1985	**Average**	--	1	12,002	204	60	814	493	321
1986	January	--	1	12,374	159	57	826	494	332
	February	--	(s)	11,918	162	56	827	495	332
	March	--	(s)	11,652	212	52	838	497	341
	April	--	(s)	12,512	94	51	837	499	338
	May	--	(s)	13,279	98	49	829	500	329
	June	--	(s)	13,261	240	52	828	502	327
	July	--	(s)	12,917	65	51	845	503	342
	August	--	(s)	13,287	233	48	838	505	333
	September	--	(s)	13,097	161	45	844	506	338
	October	--	(s)	12,636	151	41	851	508	344
	November	--	(s)	12,831	115	41	849	509	339
	December	--	(s)	12,777	159	42	843	512	331
	Average	--	**(s)**	**12,716**	**154**	**49**	--	--	--
1987	January	--	1	12,570	84	41	848	515	333
	February	--	(s)	12,290	284	41	849	517	332
	March	--	1	12,081	150	39	852	520	332
	April	--	(s)	12,512	247	41	851	522	329
	May	--	(s)	12,653	69	42	850	525	325
	June	--	(s)	13,202	116	36	855	527	328
	July	--	(s)	13,430	149	32	854	530	324
	August	--	(s)	13,380	141	31	864	532	332
	September	--	(s)	13,168	116	28	871	534	337
	October	--	(s)	12,733	84	25	892	536	356
	November	--	(s)	12,981	164	25	902	539	364
	December	--	(s)	13,212	220	31	890	541	349
	Average	--	**(s)**	**12,854**	**151**	**34**	--	--	--
1988	January	--	(s)	12,920	206	45	888	543	346
	February	--	(s)	12,644	146	52	892	544	348
	March	--	(s)	13,016	213	52	899	545	354
	April	--	(s)	13,135	114	42	905	547	357
	May	--	(s)	13,425	138	34	908	548	360
	June	--	(s)	13,487	138	32	909	550	359
	July	--	1	13,617	186	29	901	551	349
	August	--	(s)	13,752	152	30	886	552	334
	September	--	(s)	13,261	119	37	883	555	329
	October	--	(s)	13,126	166	42	896	556	340
	November	--	(s)	13,156	148	44	896	559	337
	December	--	(s)	13,381	129	44	890	560	330
	Average	--	**(s)**	**13,246**	**155**	**40**	--	--	--

Footnotes continued.
(s) = Less than 500 barrels per day.
Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Table S3. Crude Oil and Petroleum Product Imports

		Imports from OPEC Sources[1]										
		Algeria	Libya	Saudi Arabia[2]	United Arab Emirates	Indonesia	Iran	Nigeria	Venezuela	Other OPEC[2]	Total OPEC[3]	Total Arab OPEC[4]
		Thousand Barrels per Day										
1973	**Average**	**136**	**164**	**486**	**71**	**213**	**223**	**459**	**1,135**	**106**	**2,993**	**915**
1974	**Average**	**190**	**4**	**461**	**74**	**300**	**469**	**713**	**979**	**88**	**3,280**	**752**
1975	**Average**	**282**	**232**	**715**	**117**	**390**	**280**	**762**	**702**	**122**	**3,601**	**1,383**
1976	**Average**	**432**	**453**	**1,230**	**254**	**539**	**298**	**1,025**	**700**	**134**	**5,066**	**2,424**
1977	**Average**	**559**	**723**	**1,380**	**335**	**541**	**535**	**1,143**	**690**	**287**	**6,193**	**3,185**
1978	**Average**	**649**	**654**	**1,144**	**385**	**573**	**555**	**919**	**645**	**226**	**5,751**	**2,963**
1979	**Average**	**636**	**658**	**1,356**	**281**	**420**	**304**	**1,080**	**690**	**212**	**5,637**	**3,056**
1980	**Average**	**488**	**554**	**1,261**	**172**	**348**	**9**	**857**	**481**	**130**	**4,300**	**2,551**
1981	**Average**	**311**	**319**	**1,129**	**81**	**366**	**0**	**620**	**406**	**90**	**3,323**	**1,848**
1982	**Average**	**170**	**26**	**552**	**92**	**248**	**35**	**514**	**412**	**97**	**2,146**	**854**
1983	**Average**	**240**	**0**	**337**	**30**	**338**	**48**	**302**	**422**	**144**	**1,862**	**532**
1984	**Average**	**323**	**1**	**325**	**117**	**343**	**10**	**216**	**548**	**166**	**2,049**	**819**
1985	**Average**	**187**	**4**	**168**	**45**	**314**	**27**	**293**	**605**	**187**	**1,830**	**472**
1986	January	215	0	664	11	290	0	278	629	210	2,298	976
	February	157	0	574	0	290	(s)	204	518	64	1,807	757
	March	260	0	482	0	161	0	328	797	117	2,145	798
	April	275	0	698	21	292	0	319	831	139	2,576	1,058
	May	193	0	574	40	314	40	398	899	290	2,749	966
	June	319	0	662	83	353	0	382	772	439	3,010	1,377
	July	310	0	738	59	532	66	542	730	330	3,307	1,357
	August	363	0	680	37	274	93	606	916	378	3,346	1,339
	September	245	0	810	62	341	31	684	856	356	3,383	1,388
	October	305	0	697	147	388	0	530	863	346	3,276	1,387
	November	311	0	868	34	335	0	483	843	214	3,088	1,295
	December	291	0	769	30	251	0	511	841	284	2,976	1,223
	Average	**271**	**0**	**685**	**44**	**318**	**19**	**440**	**793**	**265**	**2,837**	**1,162**
1987	January	156	0	875	15	254	0	346	899	218	2,764	1,184
	February	307	0	776	54	418	30	256	791	155	2,785	1,222
	March	334	0	430	0	317	73	312	702	135	2,305	843
	April	323	0	463	62	236	47	512	710	77	2,430	866
	May	196	0	499	26	297	75	550	913	119	2,675	775
	June	247	0	782	45	261	165	546	808	268	3,122	1,275
	July	347	0	756	42	349	237	792	854	157	3,533	1,264
	August	250	0	961	103	312	208	732	831	351	3,748	1,611
	September	378	0	902	146	242	193	615	821	263	3,560	1,640
	October	274	0	1,051	111	305	86	518	829	401	3,576	1,713
	November	395	0	637	97	219	41	607	771	402	3,169	1,477
	December	339	0	876	31	216	23	613	717	220	3,033	1,415
	Average	**295**	**0**	**751**	**61**	**285**	**98**	**535**	**804**	**231**	**3,060**	**1,274**
1988	January	333	0	849	61	179	[5] 1	406	766	540	3,134	1,652
	February	358	0	1,265	79	194	0	506	846	214	3,461	1,883
	March	259	0	937	6	127	0	589	803	352	3,073	1,509
	April	342	0	929	48	166	0	711	833	385	3,413	1,610
	May	320	0	1,041	41	298	0	601	841	360	3,501	1,724
	June	262	0	923	11	184	0	875	850	527	3,632	1,635
	July	225	0	1,076	43	216	0	715	724	590	3,589	1,911
	August	257	0	1,169	0	153	0	623	830	669	3,703	2,036
	September	289	0	1,066	22	242	0	546	824	697	3,685	2,042
	October	326	0	1,244	16	265	0	686	772	552	3,861	2,069
	November	322	0	986	0	240	0	489	779	694	3,510	1,914
	December	312	0	1,289	19	194	0	667	669	524	3,674	2,080
	Average	**300**	**0**	**1,064**	**29**	**205**	**(s)**	**618**	**794**	**510**	**3,520**	**1,839**

[1] Excludes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries (OPEC), primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.

[2] The other members of OPEC are Ecuador, Gabon, Iraq, Kuwait, and Qatar. Prior to January 1988, imports from the Neutral Zone between Kuwait and Saudi Arabia are included in imports from Saudi Arabia. From January 1988 forward, those imports are included in imports from "Other OPEC".

[3] "Total OPEC" consists of Ecuador, Gabon, Indonesia, Iran, Nigeria, and Venezuela, as well as the Arab members. Imports from the Neutral Zone between Kuwait and Saudi Arabia are included in imports from "Total OPEC".

[4] The Arab members of OPEC are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.

[5] A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on October 29, 1987.

Footnotes continued on following page.

Table S3. Crude Oil and Petroleum Product Imports (Continued)

		Imports from Non-OPEC Sources[6]										
		Baha-mas	Canada	Mexico	Nether-lands Antilles	Trinidad and Tobago	United Kingdom	Puerto Rico	Virgin Islands	Other Non-OPEC	Total Non-OPEC	Total Imports
		Thousand Barrels per Day										
1973	**Average**	**174**	**1,325**	**16**	**585**	255	15	99	329	**465**	**3,263**	**6,256**
1974	**Average**	**164**	**1,070**	**8**	**511**	251	8	90	391	**340**	**2,832**	**6,112**
1975	**Average**	**152**	**846**	**71**	**332**	242	14	90	406	**300**	**2,454**	**6,056**
1976	**Average**	**118**	**599**	**87**	**275**	274	31	88	422	**353**	**2,247**	**7,313**
1977	**Average**	**171**	**517**	**179**	**211**	289	126	105	466	**550**	**2,614**	**8,807**
1978	**Average**	**160**	**467**	**318**	**229**	253	180	94	429	**484**	**2,613**	**8,363**
1979	**Average**	**147**	**538**	**439**	**231**	190	202	92	431	**548**	**2,819**	**8,456**
1980	**Average**	**78**	**455**	**533**	**225**	176	176	88	388	**491**	**2,609**	**6,909**
1981	**Average**	**74**	**447**	**522**	**197**	133	375	62	327	**534**	**2,672**	**5,996**
1982	**Average**	**65**	**482**	**685**	**175**	112	456	50	316	**627**	**2,968**	**5,113**
1983	**Average**	**125**	**547**	**826**	**189**	96	382	40	282	**701**	**3,189**	**5,051**
1984	**Average**	**88**	**630**	**748**	**188**	94	402	42	294	**902**	**3,388**	**5,437**
1985	**Average**	**40**	**770**	**816**	**40**	113	310	28	247	**873**	**3,237**	**5,067**
1986	January	62	823	681	58	108	333	21	326	862	3,275	5,573
	February	33	690	557	11	85	218	18	309	949	2,870	4,676
	March	18	750	616	27	79	178	25	186	688	2,567	4,712
	April	34	798	694	13	111	188	23	209	793	2,863	5,439
	May	32	881	743	37	130	365	27	237	1,199	3,651	6,400
	June	29	753	884	17	167	569	30	233	1,157	3,838	6,848
	July	44	763	850	25	131	353	29	237	1,202	3,634	6,942
	August	39	801	738	12	133	584	7	214	1,294	3,822	7,168
	September	15	801	615	17	162	437	23	291	1,345	3,706	7,090
	October	38	842	680	26	112	173	21	215	1,043	3,151	6,427
	November	39	960	565	53	129	448	21	179	1,111	3,504	6,592
	December	57	809	746	7	148	351	12	291	1,304	3,724	6,700
	Average	**37**	**807**	**699**	**25**	**125**	**350**	**21**	**244**	**1,080**	**3,387**	**6,224**
1987	January	59	799	689	29	100	384	33	327	1,170	3,589	6,353
	February	56	783	692	23	127	260	24	296	938	3,199	5,984
	March	43	738	721	14	124	322	17	247	1,262	3,489	5,794
	April	43	818	679	12	123	485	24	259	1,037	3,481	5,911
	May	31	884	541	33	117	392	21	214	1,164	3,398	6,073
	June	22	912	664	13	114	377	21	281	1,242	3,646	6,769
	July	46	901	680	71	98	354	17	288	1,598	4,055	7,588
	August	27	841	577	51	100	289	20	274	1,526	3,706	7,454
	September	48	846	705	42	105	259	25	271	1,318	3,618	7,178
	October	26	938	697	16	88	321	17	250	1,138	3,492	7,068
	November	31	827	627	14	111	456	15	235	1,585	3,899	7,068
	December	10	883	591	24	73	324	23	327	1,543	3,800	6,833
	Average	**37**	**848**	**655**	**29**	**106**	**352**	**21**	**272**	**1,296**	**3,617**	**6,678**
1988	January	51	959	808	40	97	313	29	341	1,410	4,047	7,181
	February	79	1,033	710	21	93	334	16	200	1,308	3,794	7,256
	March	47	1,002	745	46	89	461	22	180	1,280	3,871	6,944
	April	26	985	678	43	82	594	29	193	1,227	3,857	7,270
	May	24	1,001	722	27	102	389	20	257	1,426	3,968	7,469
	June	15	1,032	766	31	112	232	13	212	1,194	3,607	7,239
	July	15	972	723	35	96	214	22	215	1,416	3,708	7,297
	August	12	1,009	704	32	97	111	23	172	1,523	3,683	7,386
	September	37	936	843	25	96	149	29	236	1,469	3,820	7,506
	October	13	996	743	17	98	447	21	234	1,398	3,969	7,830
	November	27	1,080	811	72	80	246	15	286	1,587	4,204	7,714
	December	40	990	711	40	125	294	28	372	1,453	4,053	7,727
	Average	**32**	**999**	**747**	**36**	**97**	**315**	**22**	**242**	**1,392**	**3,882**	**7,402**

Footnotes continued.

[6] Includes petroleum imported into the United States indirectly from members of OPEC, primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.

(s) = Less than 500 barrels per day.

Notes: • Beginning in October 1977, Strategic Petroleum Reserve imports are included. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Figure S5. Finished Motor Gasoline Supply and Disposition

(Thousand Barrels per Day)

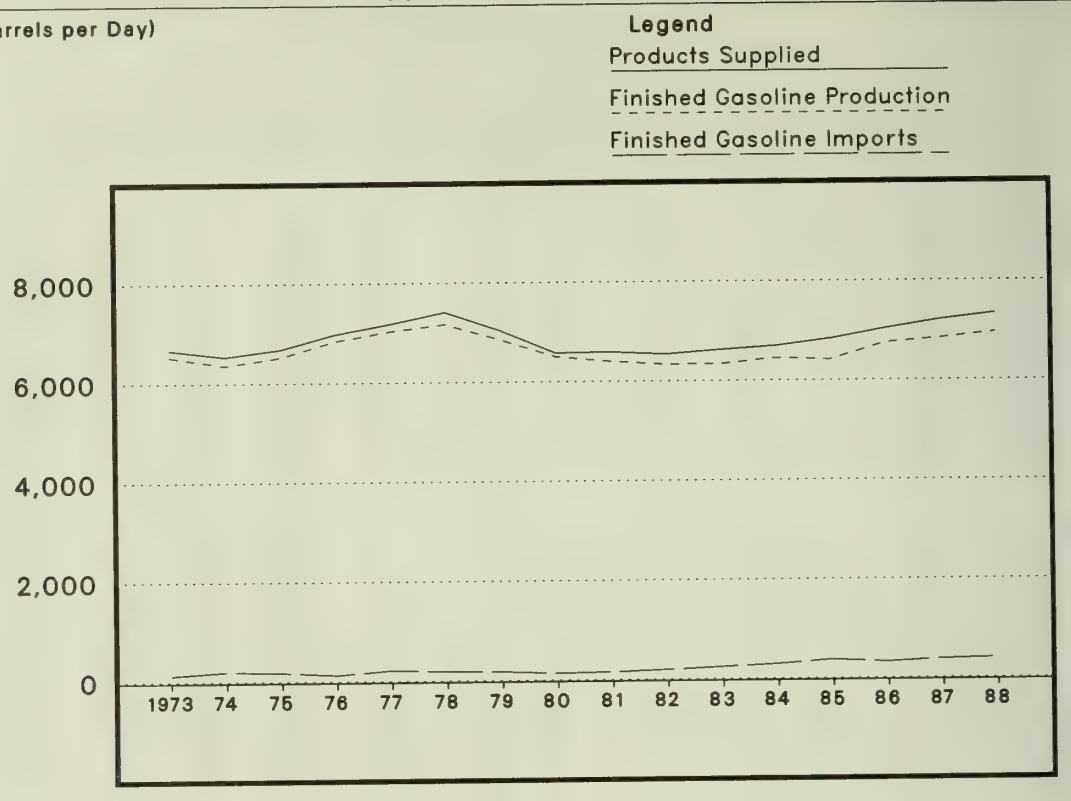
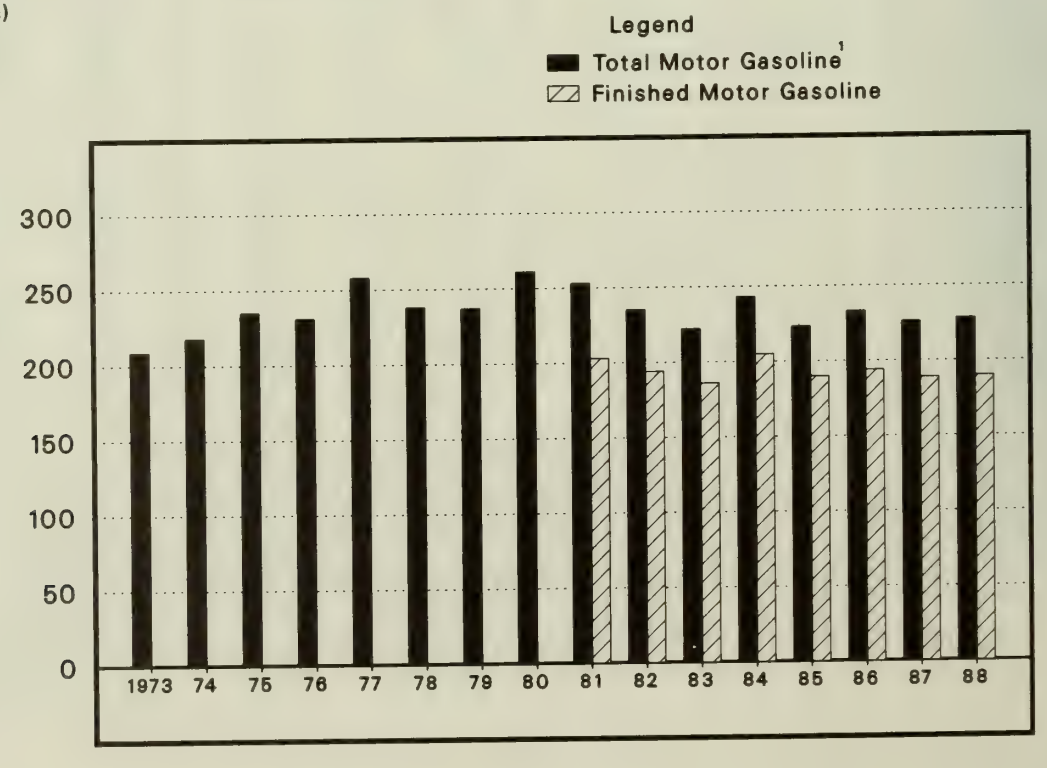


Figure S6. Motor Gasoline Ending Stocks

(Million Barrels)



[1]Includes finished motor gasoline and gasoline blending components.

Table S4. Finished Motor Gasoline Supply and Disposition

		Supply			Disposition				Ending Stocks[1]	
						Product Supplied				
		Total Production	Imports[2]	Stock Withdrawal[2,3]	Exports	Total[4]	Unleaded	Unleaded	Total Motor Gasoline[5]	Finished Motor Gasoline
		Thousand Barrels per Day						Percent of Total	Million Barrels	
1973	**Average**	**6,535**	**134**	**9**	**4**	**6,674**	**--**	**--**	[6] 209	**--**
1974	**Average**	**6,360**	**204**	**-24**	**2**	**6,537**	**--**	**--**	[6] 218	**--**
1975	**Average**	**6,520**	**184**	[6] **-28**	**2**	**6,675**	**--**	**--**	**235**	**--**
1976	**Average**	**6,841**	**131**	**10**	**3**	**6,978**	**--**	**--**	**231**	**--**
1977	**Average**	**7,033**	**217**	**-72**	**2**	**7,177**	**1,976**	**27.5**	**258**	**--**
1978	**Average**	**7,169**	**190**	**54**	**1**	**7,412**	**2,521**	**34.0**	**238**	**--**
1979	**Average**	**6,852**	**181**	**2**	**(s)**	**7,034**	**2,798**	**39.8**	**237**	**--**
1980	**Average**	**6,506**	**140**	**-66**	**1**	**6,579**	**3,067**	**46.6**	[6] 261	**--**
1981	**Average**[7]	**6,405**	**157**	[6] **28**	**2**	**6,588**	**3,264**	**49.5**	**253**	**--**
1982	**Average**	**6,338**	**197**	**25**	**20**	**6,539**	**3,409**	**52.1**	[6] 235	**--**
1983	**Average**	**6,340**	**247**	[6] **45**	**10**	**6,622**	**3,647**	**55.1**	**222**	**186**
1984	**Average**	**6,453**	**299**	**-54**	**6**	**6,693**	**3,987**	**59.6**	**243**	**205**
1985	**Average**	**6,419**	**381**	**41**	**10**	**6,831**	**4,406**	**64.5**	**223**	**190**
1986	January	6,522	332	-347	6	6,502	4,404	67.7	238	201
	February	6,302	334	-156	11	6,469	4,365	67.5	244	205
	March	6,061	224	691	21	6,955	4,678	67.3	219	184
	April	6,498	291	338	23	7,105	4,783	67.3	207	174
	May	7,095	471	-450	9	7,106	4,729	66.5	221	188
	June	7,101	392	-265	18	7,209	4,914	68.2	230	196
	July	6,956	337	189	47	7,436	5,182	69.7	224	190
	August	7,092	303	83	43	7,435	5,138	69.1	222	187
	September	6,891	303	-289	40	6,864	4,813	70.1	234	196
	October	6,616	322	372	61	7,250	5,086	70.1	222	184
	November	6,895	280	-200	96	6,879	4,918	71.5	229	190
	December	6,970	320	-122	24	7,143	5,193	72.7	233	194
	Average	**6,752**	**326**	**-11**	**33**	**7,034**	**4,854**	**69.0**	**--**	**--**
1987	January	6,714	393	-528	44	6,535	4,822	73.8	251	211
	February	6,365	309	144	22	6,796	5,068	74.6	250	207
	March	6,569	364	51	20	6,964	5,193	74.6	248	205
	April	6,850	374	133	42	7,314	5,405	73.9	242	201
	May	6,991	354	164	48	7,460	5,569	74.7	235	196
	June	7,089	385	111	46	7,539	5,678	75.3	230	193
	July	7,043	452	119	33	7,581	5,740	75.7	226	189
	August	6,933	396	29	19	7,338	5,656	77.1	226	188
	September	6,921	421	-107	30	7,205	5,536	76.8	230	191
	October	6,668	356	302	21	7,305	5,636	77.1	218	182
	November	6,907	484	-208	32	7,151	5,589	78.2	225	188
	December	7,015	320	-24	59	7,251	5,715	78.8	226	189
	Average	**6,841**	**384**	**15**	**35**	**7,206**	**5,470**	**75.9**	**--**	**--**
1988	January	6,730	357	-387	8	6,693	5,395	80.6	240	201
	February	6,736	397	-75	18	7,039	5,607	79.7	241	203
	March	6,715	349	277	18	7,323	5,894	80.5	232	194
	April	6,907	399	142	18	7,430	5,991	80.6	227	190
	May	6,851	437	43	28	7,303	5,861	80.3	226	189
	June	6,983	428	465	59	7,817	6,336	81.1	210	175
	July	7,159	482	-148	12	7,482	6,144	82.1	215	179
	August	7,209	494	-131	15	7,556	6,232	82.5	220	184
	September	6,948	443	28	16	7,404	6,115	82.6	221	183
	October	6,858	352	75	13	7,271	5,988	82.4	218	180
	November	7,060	451	-118	15	7,379	6,157	83.4	221	184
	December	7,303	277	-192	45	7,344	6,220	84.7	228	190
	Average	**6,956**	**405**	**-3**	**22**	**7,336**	**5,995**	**81.7**	**--**	**--**

[1] Stocks are totals as of end of period.
[2] Beginning in 1981, excludes blending components.
[3] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[4] Includes gasohol.
[5] Includes motor gasoline blending components.
[6] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[7] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.

(s) = Less than 500 barrels per day.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Figure S7. Distillate Fuel Oil Supply and Disposition

(Thousand Barrels per Day)

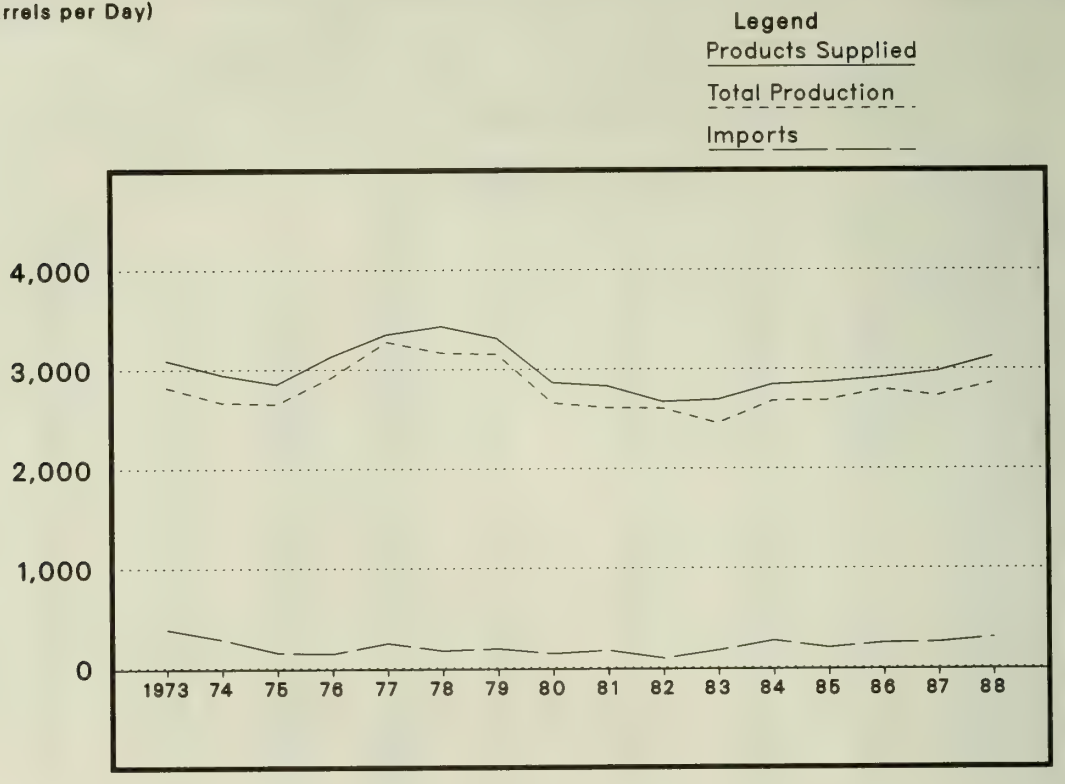


Figure S8. Distillate Fuel Oil Ending Stocks

(Million Barrels)

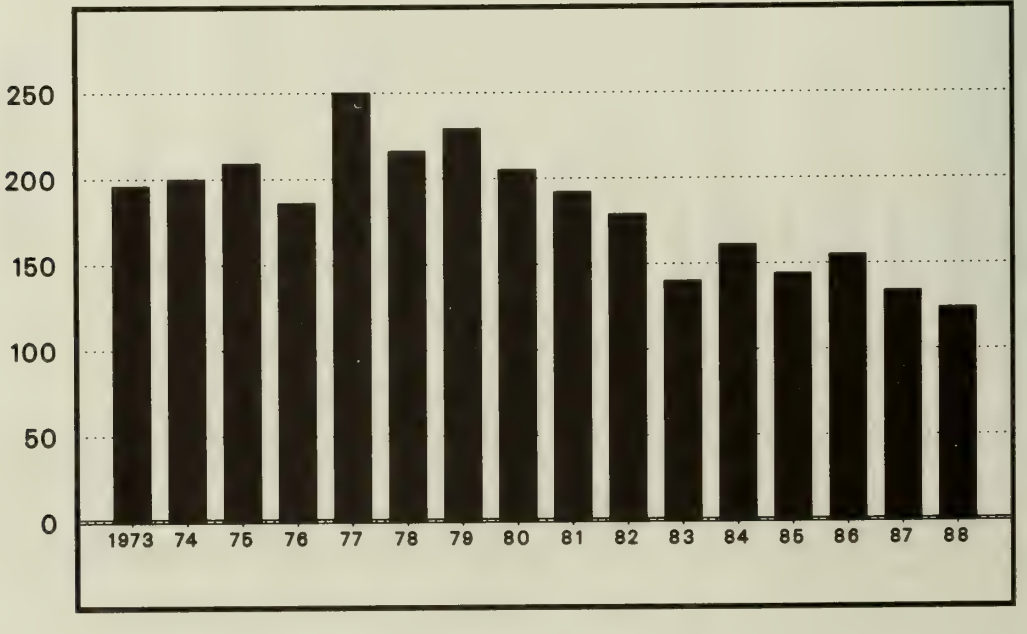


Table S5. Distillate Fuel Oil Supply and Disposition

		Supply				Disposition		
		Total Production	Imports	Stock Withdrawal[1]	Crude Used Directly[2]	Exports	Product Supplied[2]	Ending Stocks[3]
		Thousand Barrels per Day						Million Barrels
1973	**Average**	**2,822**	**392**	**-115**	**2**	**9**	**3,092**	[4] **196**
1974	**Average**	**2,669**	**289**	**-9**	**2**	**2**	**2,948**	[4] **200**
1975	**Average**	**2,654**	**155**	[4] **40**	**2**	**1**	**2,851**	**209**
1976	**Average**	**2,924**	**146**	**62**	**1**	**1**	**3,133**	**186**
1977	**Average**	**3,278**	**250**	**-176**	**1**	**1**	**3,352**	**250**
1978	**Average**	**3,167**	**173**	**93**	**1**	**3**	**3,432**	**216**
1979	**Average**	**3,153**	**193**	**-34**	**1**	**3**	**3,311**	[4] **229**
1980	**Average**	**2,662**	**142**	**64**	**1**	**3**	**2,866**	[4] **205**
1981	**Average**[5]	**2,613**	**173**	[4] **38**	**10**	**5**	**2,829**	[4] **192**
1982	**Average**	**2,606**	**93**	**35**	**10**	**74**	**2,671**	[4] **179**
1983	**Average**	**2,456**	**174**	[4] **124**	**--**	**64**	**2,690**	**140**
1984	**Average**	**2,681**	**272**	**-57**	**--**	**51**	**2,845**	**161**
1985	**Average**	**2,687**	**200**	**48**	**--**	**67**	**2,868**	**144**
1986	January	2,899	325	232	--	126	3,330	136
	February	2,563	169	860	--	176	3,416	112
	March	2,643	217	438	--	131	3,168	99
	April	2,788	147	97	--	128	2,904	96
	May	2,858	149	-95	--	149	2,762	99
	June	2,729	169	-301	--	53	2,544	108
	July	2,710	313	-355	--	75	2,592	119
	August	2,922	370	-607	--	64	2,621	138
	September	2,865	262	-489	--	98	2,540	152
	October	2,717	243	25	--	74	2,912	152
	November	2,917	254	-222	--	72	2,877	158
	December	2,943	339	102	--	55	3,329	155
	Average	**2,798**	**247**	**-31**	**--**	**100**	**2,914**	**--**
1987	January	2,759	222	444	--	115	3,310	141
	February	2,556	253	629	--	93	3,345	124
	March	2,421	297	464	--	67	3,116	109
	April	2,553	192	300	--	53	2,991	100
	May	2,563	203	-31	--	51	2,684	101
	June	2,689	265	-104	--	61	2,790	104
	July	2,700	381	-329	--	38	2,713	115
	August	2,706	222	-327	--	47	2,553	125
	September	2,748	222	-68	--	64	2,838	127
	October	2,780	237	187	--	53	3,151	121
	November	3,035	187	-234	--	56	2,932	128
	December	3,242	378	-209	--	92	3,318	134
	Average	**2,731**	**255**	**56**	**--**	**66**	**2,976**	**--**
1988	January	3,010	424	206	--	82	3,558	128
	February	2,667	383	614	--	107	3,557	110
	March	2,706	247	660	--	74	3,539	90
	April	2,867	210	-171	--	42	2,864	95
	May	2,936	253	-320	--	74	2,795	105
	June	2,893	222	-185	--	76	2,854	110
	July	2,784	222	-308	--	58	2,640	120
	August	2,848	279	-185	--	70	2,873	126
	September	2,778	307	-192	--	72	2,821	131
	October	2,827	336	103	--	48	3,218	128
	November	2,909	327	-19	--	34	3,183	129
	December	3,068	409	171	--	87	3,560	124
	Average	**2,859**	**302**	**30**	**--**	**69**	**3,122**	**--**

[1] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[2] Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.
[3] Stocks are totals as of end of period.
[4] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[5] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Figure S9. Residual Fuel Oil Supply and Disposition

(Thousand Barrels per Day)



Figure S10. Residual Fuel Oil Ending Stocks

(Million Barrels)

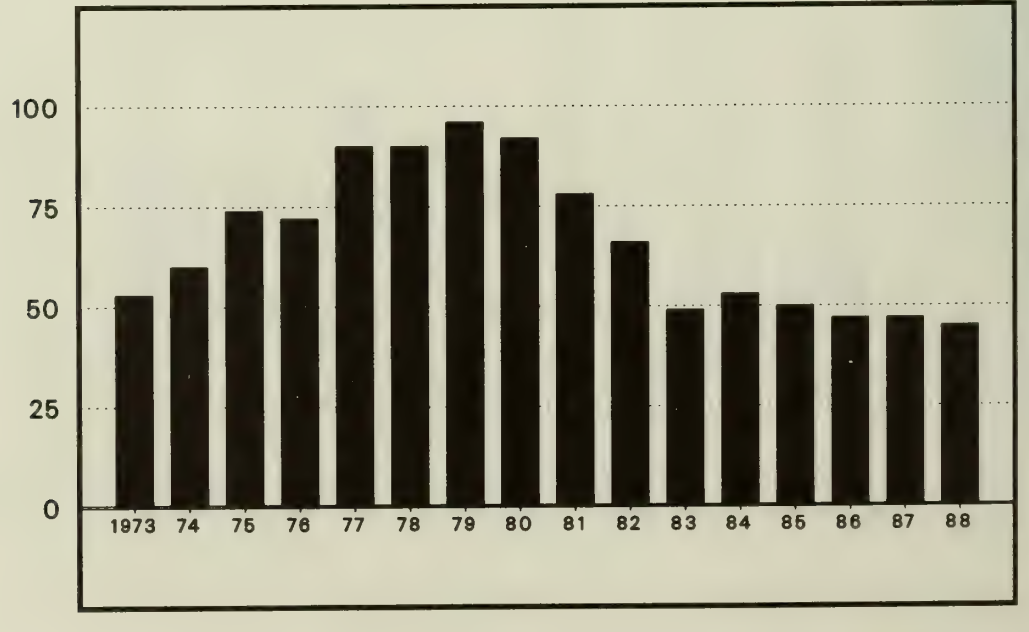


Table S6. Residual Fuel Oil Supply and Disposition

		Supply				Disposition		
		Total Production	Imports	Stock Withdrawal[1]	Crude Used Directly[2]	Exports	Product Supplied[2]	Ending Stocks[3]
		Thousand Barrels per Day						Million Barrels
1973	**Average**	**971**	**1,853**	**5**	**17**	**23**	**2,822**	[4] 53
1974	**Average**	**1,070**	**1,587**	**-17**	**13**	**14**	**2,639**	[4] 60
1975	**Average**	**1,235**	**1,223**	[4] **2**	**15**	**15**	**2,462**	**74**
1976	**Average**	**1,377**	**1,413**	**5**	**17**	**12**	**2,801**	**72**
1977	**Average**	**1,754**	**1,359**	**-48**	**13**	**6**	**3,071**	**90**
1978	**Average**	**1,667**	**1,355**	**-1**	**13**	**13**	**3,023**	**90**
1979	**Average**	**1,687**	**1,151**	**-15**	**12**	**9**	**2,826**	[4] 96
1980	**Average**	**1,580**	**939**	**10**	**12**	**33**	**2,508**	[4] 92
1981	**Average**[5]	**1,321**	**800**	[4] **37**	**48**	**118**	**2,088**	[4] 78
1982	**Average**	**1,070**	**776**	**32**	**48**	**209**	**1,716**	[4] 66
1983	**Average**	**852**	**699**	[4] **55**	**--**	**185**	**1,421**	**49**
1984	**Average**	**891**	**681**	**-12**	**--**	**190**	**1,369**	**53**
1985	**Average**	**882**	**510**	**7**	**--**	**197**	**1,202**	**50**
1986	January	940	622	56	--	211	1,407	49
	February	856	604	200	--	183	1,478	43
	March	813	626	108	--	113	1,435	40
	April	933	545	127	--	202	1,402	36
	May	913	675	-114	--	129	1,345	39
	June	818	712	-111	--	43	1,377	43
	July	850	673	75	--	90	1,508	40
	August	896	793	-29	--	174	1,485	41
	September	854	641	-89	--	110	1,296	44
	October	827	635	-59	--	144	1,259	46
	November	975	574	-15	--	143	1,391	46
	December	987	913	-37	--	224	1,638	47
	Average	**889**	**669**	**8**	**--**	**147**	**1,418**	**--**
1987	January	920	701	81	--	198	1,504	45
	February	825	668	243	--	221	1,515	38
	March	863	559	-38	--	150	1,234	39
	April	831	476	114	--	239	1,182	36
	May	813	505	-145	--	144	1,029	40
	June	864	481	-33	--	105	1,207	41
	July	901	721	-108	--	175	1,339	45
	August	882	512	-32	--	185	1,176	46
	September	904	526	42	--	177	1,296	44
	October	887	414	-39	--	194	1,069	46
	November	928	568	-145	--	146	1,205	50
	December	1,001	650	83	--	300	1,434	47
	Average	**885**	**565**	**(s)**	**--**	**186**	**1,264**	**--**
1988	January	1,002	805	44	--	190	1,661	46
	February	994	901	33	--	229	1,698	45
	March	948	650	43	--	165	1,476	44
	April	960	495	33	--	170	1,318	43
	May	862	432	-94	--	263	938	46
	June	880	336	117	--	249	1,083	42
	July	906	479	37	--	206	1,217	41
	August	866	581	97	--	225	1,320	38
	September	852	698	-220	--	100	1,230	45
	October	852	603	68	--	181	1,343	42
	November	916	785	-51	--	146	1,504	44
	December	1,069	975	-20	--	271	1,754	45
	Average	**926**	**644**	**8**	**--**	**200**	**1,378**	**--**

[1] A negative number indicates an increase in stocks and a positive number indicates a decrease.
[2] Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.
[3] Stocks are totals as of end of period.
[4] In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.
[5] Beginning in January 1981, survey forms were modified. See Explanatory Note 10.
(s) = Less than 500 barrels per day.
Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Figure S11. Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels per Day)

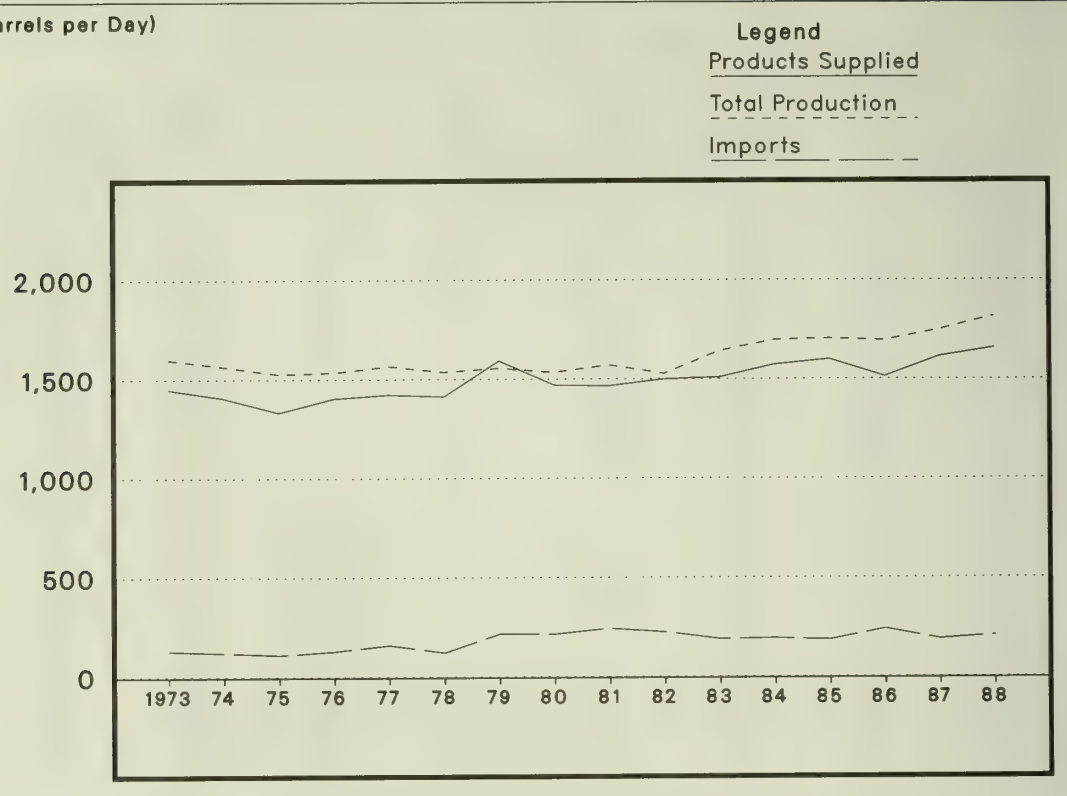


Figure S12. Liquefied Petroleum Gases Ending Stocks

(Million Barrels)

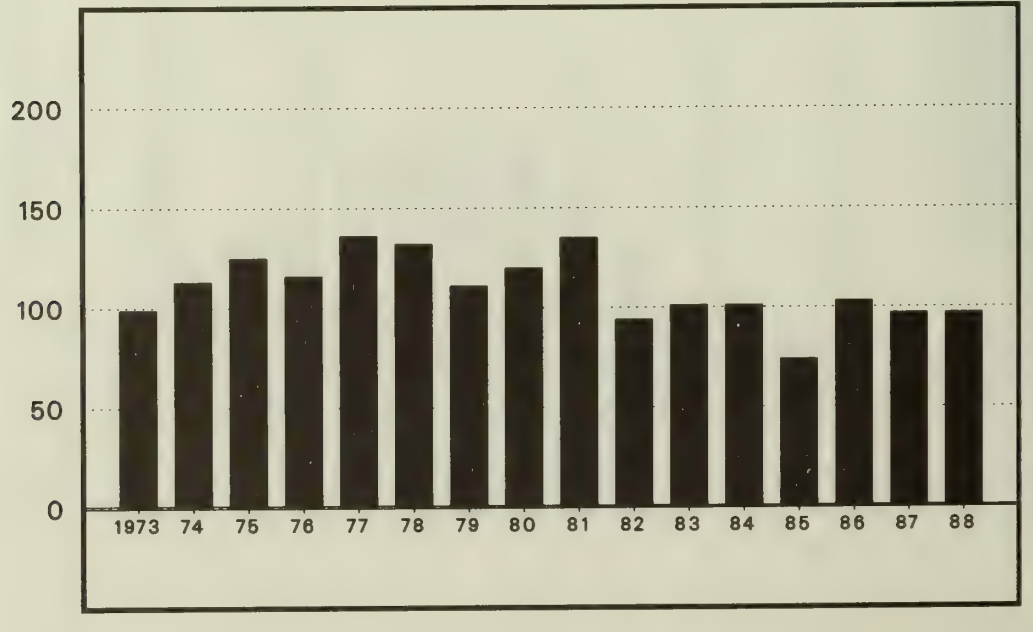


Table S7. Liquefied Petroleum Gases[1] Supply and Disposition

		Supply			Disposition			
		Total Production	Imports	Stock Withdrawal[2]	Refinery Inputs	Exports	Product Supplied	Ending Stocks[3]
		Thousand Barrels per Day						Million Barrels
1973	**Average**	**1,600**	**132**	**-35**	**220**	**27**	**1,449**	**99**
1974	**Average**	**1,565**	**123**	**-38**	**220**	**25**	**1,406**	**[4] 113**
1975	**Average**	**1,527**	**112**	**[4] -35**	**246**	**26**	**1,333**	**125**
1976	**Average**	**1,535**	**130**	**24**	**260**	**25**	**1,404**	**116**
1977	**Average**	**1,566**	**161**	**-55**	**233**	**18**	**1,422**	**136**
1978	**Average**	**1,537**	**123**	**12**	**239**	**20**	**1,413**	**132**
1979	**Average**	**1,556**	**217**	**70**	**236**	**15**	**1,592**	**111**
1980	**Average**	**1,535**	**216**	**-27**	**233**	**21**	**1,469**	**[4] 120**
1981	**Average**	**1,571**	**244**	**[4] -18**	**289**	**42**	**1,466**	**135**
1982	**Average**	**1,528**	**226**	**111**	**300**	**65**	**1,499**	**[4] 94**
1983	**Average**	**1,642**	**190**	**[4] 4**	**253**	**73**	**1,509**	**[4] 101**
1984	**Average**	**1,697**	**195**	**[4] 19**	**291**	**48**	**1,572**	**101**
1985	**Average**	**1,704**	**187**	**75**	**304**	**62**	**1,599**	**74**
1986	January	1,850	280	80	364	47	1,800	71
	February	1,815	208	108	325	74	1,733	68
	March	1,693	202	-98	250	47	1,500	71
	April	1,642	134	-200	256	33	1,286	77
	May	1,685	196	-336	267	40	1,238	87
	June	1,649	253	-490	228	25	1,158	102
	July	1,684	303	-450	199	50	1,287	116
	August	1,619	271	-332	243	53	1,262	126
	September	1,631	282	-142	288	27	1,456	131
	October	1,625	234	249	332	26	1,750	123
	November	1,724	310	254	417	53	1,817	115
	December	1,725	227	411	456	33	1,875	103
	Average	**1,695**	**242**	**-80**	**302**	**42**	**1,512**	**--**
1987	January	1,751	183	500	419	43	1,971	87
	February	1,762	201	205	341	38	1,789	81
	March	1,761	132	-10	282	52	1,550	82
	April	1,775	149	-121	274	36	1,493	85
	May	1,732	142	-283	269	34	1,288	94
	June	1,732	119	-175	255	22	1,400	99
	July	1,764	190	-145	244	30	1,534	104
	August	1,717	198	-259	252	33	1,372	112
	September	1,736	288	-81	266	56	1,622	114
	October	1,736	233	59	294	23	1,711	113
	November	1,763	233	129	356	35	1,735	109
	December	1,753	214	372	395	56	1,887	97
	Average	**1,748**	**190**	**15**	**304**	**38**	**1,612**	**--**
1988	January	1,734	226	566	383	44	2,099	80
	February	1,770	245	328	366	47	1,929	70
	March	1,819	165	50	292	36	1,707	68
	April	1,806	205	-361	277	43	1,329	79
	May	1,817	165	-343	277	37	1,324	90
	June	1,814	144	-331	256	38	1,333	100
	July	1,842	233	-380	248	35	1,412	112
	August	1,847	241	-287	262	50	1,490	121
	September	1,841	194	-20	274	43	1,698	121
	October	1,872	216	47	318	56	1,761	120
	November	1,835	258	206	445	71	1,782	114
	December	1,811	222	522	461	85	2,010	97
	Average	**1,817**	**209**	**-1**	**321**	**49**	**1,656**	**--**

[1] Includes ethane, propane, normal butane, and isobutane. Beginning in January 1984, unfractionated stream is reported by individual product.

[2] A negative number indicates an increase in stocks and a positive number indicates a decrease.

[3] Stocks are totals as of end of period.

[4] In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Table S8. Other Petroleum Products[1] Supply and Disposition

		Supply			Disposition			
		Total Production	Imports	Stock Withdrawal[2]	Refinery Inputs	Exports	Products Supplied	Ending Stocks[3]
		Thousand Barrels per Day						Million Barrels
1973	**Average**	**3,693**	**502**	**-9**	**750**	**166**	**3,270**	[4] **208**
1974	**Average**	**3,558**	**432**	**-28**	**665**	**174**	**3,123**	[4] **218**
1975	**Average**	**3,418**	**277**	[4] **4**	**537**	**160**	**3,002**	**219**
1976	**Average**	**3,643**	**206**	**-5**	**524**	**175**	**3,145**	**220**
1977	**Average**	**3,912**	**205**	**-27**	**514**	**165**	**3,410**	**230**
1978	**Average**	**4,046**	**166**	**14**	**492**	**167**	**3,568**	**225**
1979	**Average**	**4,153**	**195**	**-37**	**352**	**209**	**3,749**	[4] **238**
1980	**Average**	**3,956**	**210**	**-23**	**311**	**198**	**3,634**	[4] **247**
1981	**Average**	**3,739**	**226**	[4] **46**	**723**	**199**	**3,088**	**282**
1982	**Average**	**3,453**	**334**	**80**	**787**	**211**	**2,869**	[4] **253**
1983	**Average**	**3,460**	**411**	[4] **6**	**712**	**242**	**2,923**	[4] **256**
1984	**Average**	**3,632**	**565**	[4] **23**	**791**	**245**	**3,183**	**240**
1985	**Average**	**3,721**	**588**	**-17**	**886**	**240**	**3,166**	**246**
1986	January	3,902	541	[5] -172	967	311	2,993	[5] 252
	February	3,868	393	-209	747	270	3,035	[5] 258
	March	3,754	454	[5] 21	854	208	3,167	257
	April	3,788	638	-100	760	369	3,196	260
	May	4,055	659	-114	810	298	3,492	[5] 264
	June	4,209	687	[5] -70	853	263	3,710	266
	July	4,145	589	[5] 119	1,064	357	3,432	262
	August	4,223	572	335	1,061	301	3,768	[5] 252
	September	4,225	571	[5] 35	846	278	3,708	[5] 251
	October	3,969	575	[5] -112	666	375	3,391	254
	November	3,904	559	[5] 36	940	342	3,217	253
	December	3,920	490	[5] 90	1,069	325	3,105	250
	Average	**3,997**	**561**	**-10**	**888**	**308**	**3,353**	--
1987	January	3,852	469	-121	659	219	3,323	254
	February	3,796	687	-389	352	320	3,422	265
	March	3,766	663	-128	757	281	3,262	269
	April	3,933	589	107	872	254	3,502	266
	May	4,049	529	178	913	320	3,523	260
	June	4,203	712	158	896	320	3,857	255
	July	4,363	550	91	835	256	3,913	253
	August	4,340	616	-148	693	238	3,876	257
	September	4,350	611	-24	903	353	3,681	258
	October	4,223	686	14	971	272	3,680	258
	November	4,010	583	-20	975	305	3,294	258
	December	4,050	633	261	1,091	330	3,523	250
	Average	**4,080**	**610**	**1**	**829**	**289**	**3,572**	--
1988	January	3,942	706	-136	812	354	3,347	254
	February	3,905	680	-31	753	318	3,484	255
	March	4,147	666	-282	687	328	3,515	264
	April	4,010	794	-87	851	288	3,577	266
	May	4,071	843	-335	501	274	3,803	277
	June	4,265	787	43	777	379	3,939	276
	July	4,315	781	-21	831	329	3,915	276
	August	4,413	701	199	796	302	4,215	270
	September	4,245	651	159	850	323	3,882	265
	October	4,163	771	40	762	268	3,944	264
	November	4,068	823	-43	818	303	3,728	265
	December	4,155	613	429	1,153	392	3,653	252
	Average	**4,143**	**735**	**-6**	**799**	**321**	**3,751**	--

[1] Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

[2] A negative number indicates an increase in stocks and a positive number indicates a decrease.

[3] Stocks are totals as of end of period.

[4] In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 8.

[5] Ending stocks and stock withdrawal for 1986 are slightly different from those published in the 1986 *Petroleum Supply Annual* (PSA)--Volume 1. *PSA* statistics inadvertently omitted stocks of other hydrocarbons and alcohol.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See the last page of this section.

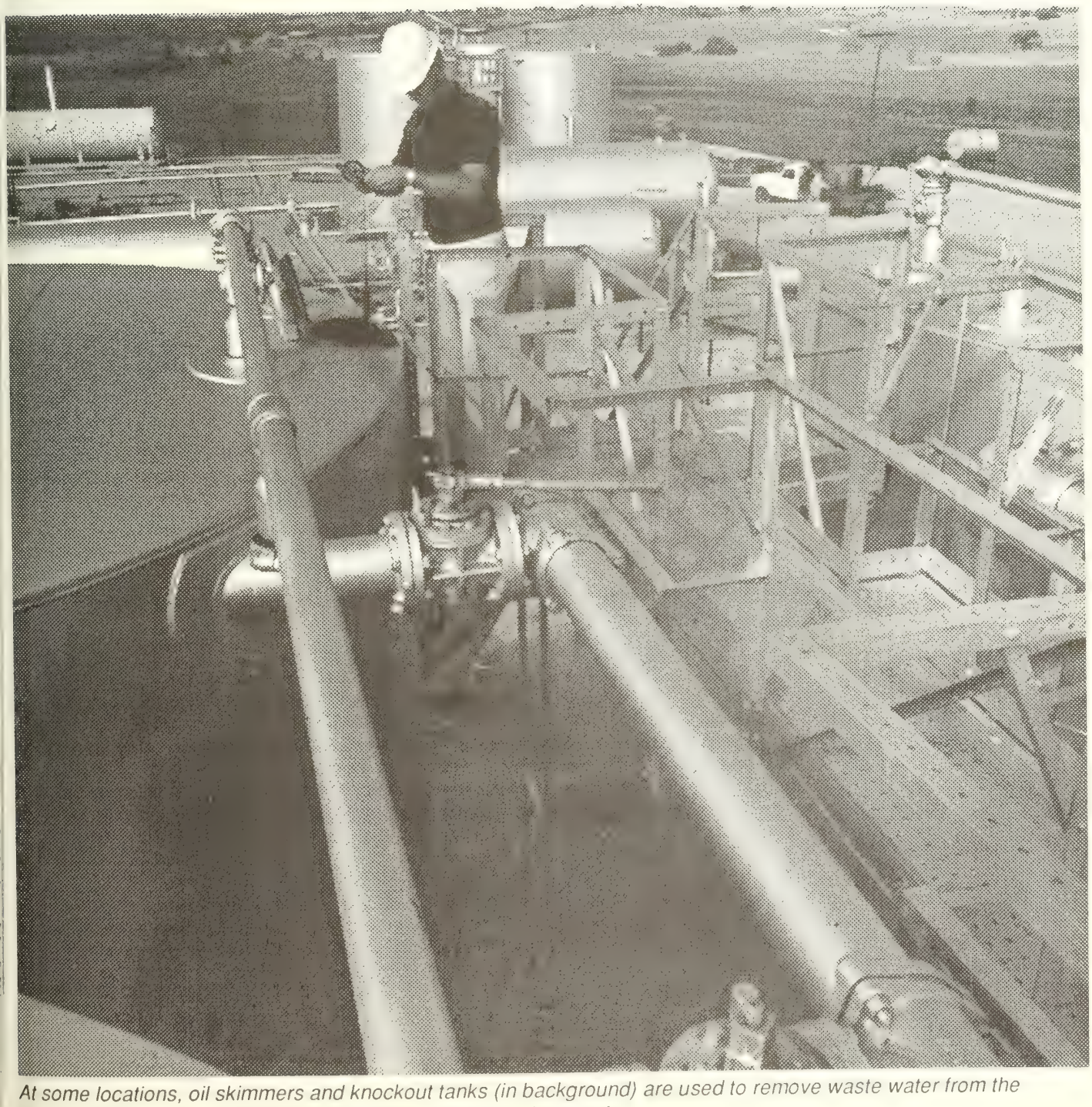
Sources of Summary Statistics

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual.*

2. 1977 through 1980: U.S. Department of Energy, Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report.*

3. 1981 through 1988: EIA, *Petroleum Supply Annual.*

Detailed Statistics



At some locations, oil skimmers and knockout tanks (in background) are used to remove waste water from the crude oil. The crude oil is then put into storage tanks and gauged.

Changes in Natural Gas Liquids and Crude Oil Statistics

Beginning in 1988, adjustments are being made to refinery inputs and product supplied of natural gas liquids (NGLs) and refinery inputs of crude oil to account for refiner misreporting. Substantial volumes of NGLs are produced at natural gas processing plants in Alaska and injected into the crude oil moving in the Trans Alaska Pipeline System (TAPS). Refiners receiving any crude oil commingled with NGLs are instructed to report the NGL portion of that stream separately from the crude oil portion. This has not been done for Alaskan crude oil because refiners are unable to identify these volumes for accounting purposes. As a result, the NGL production in Alaska has been credited directly toward product supplied and also toward product supplied from refinery production when the refiner processes the crude oil-NGL mixture. In addition, the reporting of the commingled stream as crude oil by the refiner has overstated crude oil inputs and resulted in an increase in unaccounted for crude oil equal to the volume of NGL in the crude oil.

To offset this reporting error, an adjustment is being made to refinery input in all PAD Districts receiving Alaskan crude oil. The adjustment reduces the crude oil inputs and increases the NGL inputs by an equal amount. Each PAD District adjustment is a portion of the known Alaskan NGL production that is proportional to the PAD District's share of Alaskan crude oil received at all refineries in the United States. The greatest impact occurs in PAD District V for butane and pentanes plus.

The reporting problem began in 1987 and has grown as injections of NGLs into the TAPS have increased. Revisions for 1987 data are not planned.

Table 1. U.S. Petroleum Balance, 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	738,143	2,017
(2) Lower 48 States	2,240,980	6,123
(3) Total U.S.	2,979,123	8,140
Net Imports		
(4) Imports (Gross Excluding SPR)	1,850,247	5,055
(5) SPR Imports	18,758	51
(6) Exports	56,713	155
(7) Imports (Net Including SPR)	1,812,292	4,952
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-18,867	-52
(9) Other Stock Withdrawal (+) or Addition (-)	18,636	51
(10) Product Supplied and Losses	-14,748	-40
(11) Unaccounted for [1]	71,739	196
(12) Total Other Sources	56,760	155
(13) Crude Input to Refineries	4,848,175	13,246
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	594,692	1,625
(15) Net Imports [2]	3,394	9
(16) Stock Withdrawal (+) or Addition (-) [2]	376	1
(17) Total NGPL Supply	598,462	1,635
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-7,867	-21
(19) Imports	152,569	417
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	19,536	53
(21) Refinery Processing Gain [1]	239,760	655
(22) Crude Oil Product Supplied	14,697	40
(23) Total Other Liquids	418,695	1,144
(23) = (18) through (22)		
(24) Total Production of Products [3]	5,865,332	16,025
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	683,388	1,867
(26) Exports	240,969	658
(27) Imports (Net)	442,419	1,209
(28) Total New Supply of Products	6,307,751	17,234
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	17,941	49
(30) Total Petroleum Products Supplied for Domestic Use	6,325,692	17,283
(30) = (28) + (29)		
(31) Finished Motor Gasoline	2,685,145	7,336
(32) Distillate Fuel Oil	1,142,510	3,122
(33) Residual Fuel Oil	504,275	1,378
(34) Liquefied Petroleum Gases	606,069	1,656
(35) Other [4]	1,372,996	3,751
(36) Crude Oil	14,697	40
(37) Total Product Supplied	6,325,692	17,283
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	330,359	--
(39) Strategic Petroleum Reserve (SPR)	559,515	--
(40) Unfinished Oils	99,858	--
(41) Gasoline Blending Components [5]	39,249	--
(42) Pentanes Plus	6,649	--
(43) Finished Refined Products [3]	561,602	--
(44) Total Stocks	1,597,232	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**2,979,123**	**0**	**1,869,005**	**-231**	**71,739**	**51**	**4,848,175**	**56,713**	**14,697**	**889,874**
Natural Gas Liquids and LRGs	**593,283**	**182,611**	**80,816**	**131**	**0**	**0**	**186,902**	**18,631**	**651,308**	**103,988**
Pentanes Plus	110,707	0	4,178	376	0	0	69,238	784	45,239	6,649
Liquefied Petroleum Gases	482,576	182,611	76,638	-245	0	0	117,664	17,847	606,069	97,339
Ethane	183,355	3,808	1,240	4,389	0	0	821	1,581	190,390	17,872
Propane	185,374	130,655	38,764	-2,635	0	0	3,105	11,307	337,747	50,427
Normal Butane	61,300	43,353	23,759	-4,467	0	0	60,158	4,176	59,612	21,009
Isobutane	52,547	4,795	12,874	2,468	0	0	53,580	784	18,320	8,031
Other Liquids	**19,536**	**0**	**152,569**	**-7,867**	**0**	**0**	**223,309**	**0**	**-59,071**	**139,107**
Other Hydrocarbons and Alcohol	19,536	0	0	-21	0	0	19,515	0	0	448
Unfinished Oils	0	0	131,599	-6,673	0	0	172,567	0	-47,641	99,858
Motor Gasoline Blending Components	0	0	20,970	-1,179	0	0	31,009	0	-11,218	38,551
Aviation Gasoline Blending Components	0	0	0	6	0	0	218	0	-212	250
Finished Petroleum Products	**1,409**	**5,315,535**	**606,750**	**18,186**	**0**	**0**	**0**	**223,122**	**5,718,758**	**464,263**
Finished Motor Gasoline	117	2,545,768	148,372	-1,041	0	0	0	8,071	2,685,145	189,852
Finished Leaded Motor Gasoline	105	476,570	3,566	12,958	0	0	0	2,394	490,805	40,159
Finished Unleaded Motor Gasoline	12	2,069,198	144,806	-13,999	0	0	0	5,677	2,194,340	149,693
Finished Aviation Gasoline	0	9,297	195	213	0	0	0	0	9,705	2,118
Naphtha-Type Jet Fuel	0	75,393	1,051	1,905	0	0	0	494	77,855	6,051
Kerosene-Type Jet Fuel	0	425,930	31,878	4,250	0	0	0	9,703	452,355	37,723
Kerosene	0	28,770	5,701	1,163	0	0	0	435	35,199	7,284
Distillate Fuel Oil	502	1,045,786	110,354	10,968	0	0	0	25,100	1,142,510	123,517
Residual Fuel Oil	0	338,734	235,860	2,789	0	0	0	73,108	504,275	44,621
Naphtha < 400 Deg. for Petro. Feed. Use	0	40,225	29,541	376	0	0	0	2,386	67,756	1,961
Other Oils > 400 Deg. for Petro. Feed. Use	0	82,266	24,000	-142	0	0	0	6,018	100,106	1,743
Special Naphthas	0	21,773	2,403	167	0	0	0	2,611	21,732	3,487
Lubricants	0	62,291	3,937	-45	0	0	0	9,582	56,601	13,316
Waxes	0	6,166	631	-41	0	0	0	625	6,131	824
Petroleum Coke	0	199,056	607	-1,040	0	0	0	84,556	114,067	7,790
Asphalt and Road Oil	0	162,066	11,523	-2,018	0	0	0	335	171,236	20,817
Still Gas	0	245,351	0	0	0	0	0	0	245,351	0
Miscellaneous Products	790	26,663	697	682	0	0	0	98	28,734	3,159
Total	**3,593,351**	**5,498,146**	**2,709,140**	**10,219**	**71,739**	**51**	**5,258,386**	**298,466**	**6,325,692**	**1,597,232**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,140**	**0**	**5,107**	**-1**	**196**	**(s)**	**13,246**	**155**	**40**
Natural Gas Liquids and LRGs	**1,621**	**499**	**221**	**(s)**	**0**	**0**	**511**	**51**	**1,780**
Pentanes Plus	302	0	11	1	0	0	189	2	124
Liquefied Petroleum Gases	1,319	499	209	-1	0	0	321	49	1,656
Ethane	501	10	3	12	0	0	2	4	520
Propane	506	357	106	-7	0	0	8	31	923
Normal Butane	167	118	65	-12	0	0	164	11	163
Isobutane	144	13	35	7	0	0	146	2	50
Other Liquids	**53**	**0**	**417**	**-21**	**0**	**0**	**610**	**0**	**-161**
Other Hydrocarbons and Alcohol	53	0	0	(s)	0	0	53	0	0
Unfinished Oils	0	0	360	-18	0	0	471	0	-130
Motor Gasoline Blending Components	0	0	57	-3	0	0	85	0	-31
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	1	0	-1
Finished Petroleum Products	**4**	**14,523**	**1,658**	**50**	**0**	**0**	**0**	**610**	**15,625**
Finished Motor Gasoline	(s)	6,956	405	-3	0	0	0	22	7,336
Finished Leaded Motor Gasoline	(s)	1,302	10	35	0	0	0	7	1,341
Finished Unleaded Motor Gasoline	(s)	5,654	396	-38	0	0	0	16	5,995
Finished Aviation Gasoline	0	25	1	1	0	0	0	0	27
Naphtha-Type Jet Fuel	0	206	3	5	0	0	0	1	213
Kerosene-Type Jet Fuel	0	1,164	87	12	0	0	0	27	1,236
Kerosene	0	79	16	3	0	0	0	1	96
Distillate Fuel Oil	1	2,857	302	30	0	0	0	69	3,122
Residual Fuel Oil	0	926	644	8	0	0	0	200	1,378
Naphtha < 400 Deg. for Petro. Feed. Use	0	110	81	1	0	0	0	7	185
Other Oils > 400 Deg. for Petro. Feed. Use	0	225	66	(s)	0	0	0	16	274
Special Naphthas	0	59	7	(s)	0	0	0	7	59
Lubricants	0	170	11	(s)	0	0	0	26	155
Waxes	0	17	2	(s)	0	0	0	2	17
Petroleum Coke	0	544	2	-3	0	0	0	231	312
Asphalt and Road Oil	0	443	31	-6	0	0	0	1	468
Still Gas	0	670	0	0	0	0	0	0	670
Miscellaneous Products	2	73	2	2	0	0	0	(s)	79
Total	**9,818**	**15,022**	**7,402**	**28**	**196**	**(s)**	**14,367**	**815**	**17,283**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**13,788**	**0**	**430,035**	**-24**	**9,232**	**22,006**	**7**	**475,030**	**(s)**	**0**	**15,559**
Natural Gas Liquids and LRGs	**9,971**	**20,181**	**16,693**	**838**	**0**	**34,261**	**0**	**2,321**	**850**	**78,772**	**4,832**
Liquefied Petroleum Gases	8,587	20,181	13,593	834	0	34,261	0	1,835	850	74,770	4,783
Pentanes Plus	1,384	0	3,100	4	0	0	0	486	0	4,002	49
Other Liquids	**392**	**0**	**62,918**	**-42**	**0**	**3,668**	**0**	**80,467**	**0**	**-13,531**	**17,290**
Other Hydrocarbons and Alcohol	392	0	0	20	0	0	0	412	0	0	0
Unfinished Oils	0	0	44,995	-647	0	2,118	0	63,914	0	-17,448	12,370
Motor Gasoline Blending Components	0	0	17,923	585	0	1,550	0	16,141	0	3,917	4,920
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**563,223**	**491,390**	**9,769**	**0**	**871,180**	**0**	**0**	**7,369**	**1,928,194**	**150,138**
Finished Motor Gasoline	0	258,537	132,498	-73	0	494,909	0	0	240	885,631	57,542
Finished Leaded Motor Gasoline	0	25,450	3,189	4,830	0	66,865	0	0	56	100,278	7,952
Finished Unleaded Motor Gasoline	0	233,087	129,309	-4,903	0	428,044	0	0	185	785,352	49,590
Finished Aviation Gasoline	0	108	0	118	0	1,853	0	0	0	2,079	378
Naphtha-Type Jet Fuel	0	8,825	0	582	0	5,715	0	0	9	15,113	979
Kerosene-Type Jet Fuel	0	25,155	20,770	857	0	123,149	0	0	274	169,658	9,434
Kerosene	0	2,629	3,379	164	0	6,312	0	0	92	12,392	3,173
Distillate Fuel Oil	0	121,951	104,576	4,531	0	211,443	0	0	349	442,152	49,223
Residual Fuel Oil	0	52,588	212,374	4,316	0	7,159	0	0	167	276,270	18,803
Petrochemical Feedstocks[2]	0	3,239	2,781	-12	0	-69	0	0	704	5,235	376
Special Naphthas	0	1,604	458	134	0	3,214	0	0	577	4,833	1,152
Lubricants	0	8,662	3,358	55	0	11,674	0	0	2,769	20,980	2,909
Waxes	0	1,022	340	-15	0	59	0	0	76	1,330	79
Petroleum Coke	0	15,677	41	-336	0	0	0	0	2,013	13,368	856
Asphalt and Road Oil	0	34,731	10,239	-581	0	5,100	0	0	9	49,480	4,520
Still Gas	0	23,468	0	0	0	0	0	0	0	23,468	0
Miscellaneous Products	0	5,027	576	29	0	662	0	0	88	6,206	714
Total	**24,151**	**583,404**	**1,001,036**	**10,541**	**9,232**	**931,115**	**7**	**557,818**	**8,219**	**1,993,435**	**187,819**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**301,993**	**0**	**192,515**	**1,467**	**3,160**	**571,980**	**0**	**1,067,389**	**3,727**	**0**	**71,576**
Natural Gas Liquids and LRGs	**111,296**	**31,951**	**33,051**	**547**	**0**	**14,302**	**0**	**48,076**	**6,445**	**136,626**	**31,985**
Liquefied Petroleum Gases	94,034	31,951	32,640	131	0	7,880	0	33,699	5,661	127,276	29,610
Pentanes Plus	17,262	0	411	416	0	6,422	0	14,377	784	9,350	2,375
Other Liquids	**3,421**	**0**	**41**	**-764**	**0**	**-67**	**0**	**22,886**	**0**	**-20,255**	**22,673**
Other Hydrocarbons and Alcohol	3,421	0	0	93	0	0	0	3,514	0	0	93
Unfinished Oils	0	0	0	-1,274	0	850	0	6,298	0	-6,722	15,154
Motor Gasoline Blending Components	0	0	41	414	0	-917	0	12,872	0	-13,334	7,273
Aviation Gasoline Blending Components	0	0	0	3	0	0	0	202	0	-199	153
Finished Petroleum Products	**50**	**1,156,369**	**12,629**	**5,708**	**0**	**273,189**	**0**	**0**	**5,494**	**1,442,451**	**111,034**
Finished Motor Gasoline	0	626,339	1,491	953	0	175,138	0	0	668	803,253	52,544
Finished Leaded Motor Gasoline	0	112,155	30	4,623	0	35,736	0	0	36	152,508	13,212
Finished Unleaded Motor Gasoline	0	514,184	1,461	-3,670	0	139,402	0	0	632	650,745	39,332
Finished Aviation Gasoline	0	1,219	0	218	0	1,187	0	0	0	2,624	477
Naphtha-Type Jet Fuel	0	7,806	1,018	442	0	-290	0	0	(s)	8,976	885
Kerosene-Type Jet Fuel	0	62,282	4,494	1,293	0	30,402	0	0	7	98,464	7,569
Kerosene	0	6,254	0	775	0	-1,461	0	0	245	5,323	1,932
Distillate Fuel Oil	0	245,696	2,090	3,337	0	64,540	0	0	452	315,211	31,305
Residual Fuel Oil	0	26,203	1,873	-504	0	-2,810	0	0	0	24,762	3,542
Petrochemical Feedstocks[2]	0	14,398	174	143	0	787	0	0	672	14,830	273
Special Naphthas	0	3,767	677	-8	0	1,594	0	0	178	5,852	653
Lubricants	0	9,582	175	-83	0	2,950	0	0	514	12,110	2,208
Waxes	0	604	172	-16	0	10	0	0	140	630	115
Petroleum Coke	0	42,423	0	-611	0	0	0	0	2,375	39,437	1,486
Asphalt and Road Oil	0	54,166	403	-314	0	1,278	0	0	241	55,292	7,619
Still Gas	0	51,104	0	0	0	0	0	0	0	51,104	0
Miscellaneous Products	50	4,526	62	83	0	-136	0	0	1	4,584	426
Total	**416,761**	**1,188,320**	**238,236**	**6,958**	**3,160**	**859,404**	**0**	**1,138,351**	**15,666**	**1,558,822**	**237,268**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,333,149**	**0**	**1,149,357**	**-13,193**	**29,083**	**-299,580**	**31**	**2,198,787**	**0**	**0**	**711,411**
Natural Gas Liquids and LRGs	**393,702**	**104,059**	**22,410**	**-732**	**0**	**-25,555**	**0**	**104,282**	**8,140**	**381,461**	**63,258**
Liquefied Petroleum Gases	327,524	104,059	22,088	-664	0	-21,394	0	61,572	8,140	361,900	59,206
Pentanes Plus	66,178	0	322	-68	0	-4,161	0	42,710	0	19,561	4,052
Other Liquids	**10,889**	**0**	**86,418**	**-5,215**	**0**	**-4,575**	**0**	**110,285**	**0**	**-22,768**	**63,010**
Other Hydrocarbons and Alcohol	10,889	0	0	-106	0	0	0	10,783	0	0	299
Unfinished Oils	0	0	83,732	-4,939	0	-3,818	0	98,941	0	-23,966	47,549
Motor Gasoline Blending Components	0	0	2,686	-154	0	-757	0	576	0	1,199	15,077
Aviation Gasoline Blending Components	0	0	0	-16	0	0	0	-15	0	-1	85
Finished Petroleum Products	**1,323**	**2,418,297**	**68,378**	**6,313**	**0**	**-1,177,747**	**0**	**0**	**102,889**	**1,213,676**	**129,202**
Finished Motor Gasoline	117	1,144,791	3,218	984	0	-688,215	0	0	5,310	455,585	49,982
Finished Leaded Motor Gasoline	105	199,741	39	3,172	0	-106,357	0	0	2,102	94,598	9,604
Finished Unleaded Motor Gasoline	12	945,050	3,179	-2,188	0	-581,858	0	0	3,207	360,988	40,378
Finished Aviation Gasoline	0	5,597	39	-40	0	-3,300	0	0	0	2,296	696
Naphtha-Type Jet Fuel	0	34,730	0	900	0	-8,002	0	0	248	27,380	1,933
Kerosene-Type Jet Fuel	0	211,172	1,718	1,575	0	-161,873	0	0	5,925	46,667	13,144
Kerosene	0	17,960	2,150	125	0	-4,851	0	0	44	15,340	1,927
Distillate Fuel Oil	502	477,043	913	3,349	0	-279,986	0	0	12,201	189,620	28,168
Residual Fuel Oil	0	117,837	8,554	114	0	-4,349	0	0	20,758	101,398	12,438
Petrochemical Feedstocks[2]	0	99,153	49,620	102	0	-718	0	0	4,728	143,429	2,733
Special Naphthas	0	15,205	1,112	26	0	-4,808	0	0	1,155	10,380	1,509
Lubricants	0	37,018	220	-249	0	-14,703	0	0	4,291	17,995	6,759
Waxes	0	3,316	18	-28	0	-69	0	0	311	2,926	457
Petroleum Coke	0	88,092	345	-248	0	0	0	0	47,899	40,290	3,665
Asphalt and Road Oil	0	40,055	412	-357	0	-6,378	0	0	17	33,715	4,152
Still Gas	0	111,953	0	0	0	0	0	0	0	111,953	0
Miscellaneous Products	704	14,375	59	60	0	-495	0	0	3	14,700	1,639
Total	**1,739,065**	**2,522,356**	**1,326,563**	**-12,827**	**29,083**	**-1,507,457**	**31**	**2,413,354**	**111,029**	**1,572,369**	**966,881**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**202,692**	**0**	**23,456**	**739**	**23,099**	**-84,691**	**0**	**165,297**	**0**	**0**	**11,791**
Natural Gas Liquids and LRGs	**45,816**	**3,367**	**4,840**	**-30**	**0**	**-23,008**	**0**	**7,186**	**433**	**23,366**	**1,118**
Liquefied Petroleum Gases	36,593	3,367	4,495	-41	0	-20,747	0	5,962	433	17,272	975
Pentanes Plus	9,223	0	345	11	0	-2,261	0	1,224	0	6,094	143
Other Liquids	**247**	**0**	**0**	**-127**	**0**	**0**	**0**	**-903**	**0**	**1,023**	**4,187**
Other Hydrocarbons and Alcohol	247	0	0	-26	0	0	0	221	0	0	40
Unfinished Oils	0	0	0	516	0	0	0	-1,686	0	2,202	1,806
Motor Gasoline Blending Components	0	0	0	-617	0	0	0	562	0	-1,179	2,341
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**36**	**172,197**	**1,965**	**-907**	**0**	**-5,320**	**0**	**0**	**70**	**167,901**	**12,563**
Finished Motor Gasoline	0	87,379	573	-140	0	-5,061	0	0	1	82,750	5,195
Finished Leaded Motor Gasoline	0	31,558	30	89	0	-4,330	0	0	1	27,346	2,105
Finished Unleaded Motor Gasoline	0	55,821	543	-229	0	-731	0	0	(s)	55,404	3,090
Finished Aviation Gasoline	0	277	0	7	0	191	0	0	0	475	47
Naphtha-Type Jet Fuel	0	4,969	0	11	0	-1,701	0	0	2	3,277	419
Kerosene-Type Jet Fuel	0	9,122	0	187	0	5,586	0	0	(s)	14,895	649
Kerosene	0	64	0	50	0	0	0	0	1	113	42
Distillate Fuel Oil	0	43,449	1,352	267	0	-4,335	0	0	1	40,732	2,831
Residual Fuel Oil	0	4,011	7	-276	0	0	0	0	0	3,742	663
Petrochemical Feedstocks[2]	0	118	0	23	0	0	0	0	11	130	10
Special Naphthas	0	-16	1	0	0	0	0	0	2	-17	7
Lubricants	0	282	0	41	0	0	0	0	42	281	69
Waxes	0	422	11	9	0	0	0	0	(s)	442	78
Petroleum Coke	0	3,930	0	16	0	0	0	0	3	3,943	15
Asphalt and Road Oil	0	10,285	21	-1,064	0	0	0	0	8	9,234	2,479
Still Gas	0	7,192	0	0	0	0	0	0	0	7,192	0
Miscellaneous Products	36	713	0	-38	0	0	0	0	0	711	59
Total	**248,793**	**175,564**	**30,261**	**-325**	**23,099**	**-113,019**	**0**	**171,580**	**503**	**192,290**	**29,659**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,127,501**	**0**	**73,642**	**10,780**	**7,161**	**-209,715**	**13**	**941,672**	**52,986**	**14,697**	**79,537**
Natural Gas Liquids and LRGs	**32,498**	**23,053**	**3,823**	**-492**	**0**	**0**	**0**	**25,037**	**2,762**	**31,082**	**2,795**
Liquefied Petroleum Gases	15,838	23,053	3,823	-505	0	0	0	14,596	2,762	24,850	2,765
Pentanes Plus	16,660	0	0	13	0	0	0	10,441	0	6,232	30
Other Liquids	**4,587**	**0**	**3,192**	**-1,719**	**0**	**974**	**0**	**10,574**	**0**	**-3,540**	**31,947**
Other Hydrocarbons and Alcohol	4,587	0	0	-2	0	0	0	4,585	0	0	16
Unfinished Oils	0	0	2,872	-329	0	850	0	5,100	0	-1,707	22,979
Motor Gasoline Blending Components	0	0	320	-1,407	0	124	0	858	0	-1,821	8,940
Aviation Gasoline Blending Components	0	0	0	19	0	0	0	31	0	-12	12
Finished Petroleum Products	**0**	**1,005,449**	**32,387**	**-2,697**	**0**	**38,698**	**0**	**0**	**107,301**	**966,536**	**61,326**
Finished Motor Gasoline	0	428,722	10,592	-2,765	0	23,229	0	0	1,852	457,926	24,589
Finished Leaded Motor Gasoline	0	107,666	278	244	0	8,086	0	0	199	116,075	7,286
Finished Unleaded Motor Gasoline	0	321,056	10,314	-3,009	0	15,143	0	0	1,653	341,851	17,303
Finished Aviation Gasoline	0	2,096	156	-90	0	69	0	0	0	2,231	520
Naphtha-Type Jet Fuel	0	19,063	33	-30	0	4,278	0	0	235	23,109	1,835
Kerosene-Type Jet Fuel	0	118,199	4,895	338	0	2,736	0	0	3,498	122,670	6,927
Kerosene	0	1,863	172	49	0	0	0	0	54	2,030	210
Distillate Fuel Oil	0	157,647	1,423	-516	0	8,338	0	0	12,097	154,795	11,990
Residual Fuel Oil	0	138,095	13,052	-861	0	0	0	0	52,183	98,103	9,175
Petrochemical Feedstocks[2]	0	5,583	966	-22	0	0	0	0	2,289	4,238	312
Special Naphthas	0	1,213	155	15	0	0	0	0	700	683	166
Lubricants	0	6,747	184	191	0	79	0	0	1,967	5,234	1,371
Waxes	0	802	90	9	0	0	0	0	97	804	95
Petroleum Coke	0	48,934	221	139	0	0	0	0	32,265	17,029	1,768
Asphalt and Road Oil	0	22,829	448	298	0	0	0	0	59	23,516	2,047
Still Gas	0	51,634	0	0	0	0	0	0	0	51,634	0
Miscellaneous Products	0	2,022	0	548	0	-31	0	0	6	2,533	321
Total	**1,164,585**	**1,028,502**	**113,044**	**5,872**	**7,161**	**-170,043**	**13**	**977,283**	**163,049**	**1,008,776**	**175,605**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 9. Production of Crude Oil by PAD District and State, 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**13,788**	**38**
Florida	7,746	21
New York	566	2
Pennsylvania	2,830	8
Virginia	25	(s)
West Virginia	2,621	7
PAD District II, Total	**301,993**	**825**
Illinois	22,476	61
Indiana	3,665	10
Kansas	58,824	161
Kentucky	5,458	15
Michigan	23,250	64
Missouri	156	(s)
Nebraska	5,978	16
North Dakota	39,343	107
Ohio	11,711	32
Oklahoma	128,874	352
South Dakota	1,657	5
Tennessee	601	2
PAD District III, Total	**1,333,149**	**3,642**
Alabama	20,797	57
Arkansas	13,606	37
Louisiana [1]	165,006	451
Mississippi	27,553	75
New Mexico	71,235	195
Texas [1]	735,495	2,010
Federal Offshore PAD District III	299,458	818
PAD District IV, Total	**202,692**	**554**
Colorado	32,352	88
Montana	23,338	64
Utah	33,018	90
Wyoming	113,985	311
PAD District V, Total	**1,127,501**	**3,081**
Alaska [1]	738,143	2,017
South Alaska	15,696	43
North Slope	722,447	1,974
Arizona	113	(s)
California [1]	354,730	969
Nevada	3,230	9
Federal Offshore PAD District V	31,284	85
U.S. Total [1]	**2,979,123**	**8,140**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 50,871; California: State - 28,170; Louisiana: State - 24,672; Texas: State - 1,500; U.S. Total, including Federal Offshore - 435,955.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • A final revision to the State data for 1988 will appear in the 1989 *Petroleum Supply Annual*. • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Revised 1987 crude oil production statistics are available in Appendix C, page 135.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**2,967**	**7,004**	**9,971**	**8,996**	**5,244**	**97,056**	**111,296**	**224,498**	**34,446**	**82,922**	**7,638**	**44,198**	**393,702**	**45,816**	**32,498**	**593,283**
Pentanes Plus	527	857	1,384	1,717	1,329	14,216	17,262	40,893	2,711	14,761	2,115	5,698	66,178	9,223	16,660	110,707
Liquefied Petroleum Gases	2,440	6,147	8,587	7,279	3,915	82,840	94,034	183,605	31,735	68,161	5,523	38,500	327,524	36,593	15,838	482,576
Ethane	790	2,067	2,857	1,509	8	29,901	31,418	76,373	12,406	29,745	1,198	17,814	137,536	11,525	19	183,355
Propane	1,017	2,774	3,791	3,419	2,353	34,731	40,503	68,093	14,204	22,981	2,305	13,329	120,912	15,883	4,285	185,374
Normal Butane	526	934	1,460	1,218	1,478	11,882	14,578	28,480	-11,981	7,514	1,416	4,897	30,326	6,399	8,537	61,300
Isobutane	107	372	479	1,133	76	6,326	7,535	10,659	17,106	7,921	604	2,460	38,750	2,786	2,997	52,547
Finished Petroleum Products	**0**	**0**	**0**	**15**	**0**	**35**	**50**	**548**	**584**	**26**	**165**	**0**	**1,323**	**36**	**0**	**1,409**
Finished Motor Gasoline	0	0	0	0	0	0	0	12	105	0	0	0	117	0	0	117
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	105	0	0	0	105	0	0	105
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	12	0	0	0	0	12	0	0	12
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	479	23	0	0	502	0	0	502
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	15	0	35	50	536	0	3	165	0	704	36	0	790
Total Production	**2,967**	**7,004**	**9,971**	**9,011**	**5,244**	**97,091**	**111,346**	**225,046**	**35,030**	**82,948**	**7,803**	**44,198**	**395,025**	**45,852**	**32,498**	**594,692**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**438,412**	**36,618**	**475,030**	**711,617**	**112,432**	**243,340**	**1,067,389**	**175,787**	**1,105,753**	**827,613**	**64,345**	**25,289**	**2,198,787**	**165,297**	**941,672**	**4,848,175**
Natural Gas Liquids																
Pentanes Plus	484	2	486	5,484	997	7,896	14,377	11,477	20,261	7,374	2,059	1,539	42,710	1,224	10,441	69,238
Liquefied Petroleum Gases	1,388	447	1,835	22,653	2,627	8,419	33,699	8,144	22,077	29,117	1,482	752	61,572	5,962	14,596	117,664
Ethane	0	0	0	0	0	0	0	0	21	800	0	0	821	0	0	821
Propane	1	0	1	905	0	0	905	7	1,537	576	0	14	2,134	18	47	3,105
Normal Butane	703	447	1,150	11,045	1,822	3,278	16,145	4,181	9,805	13,385	371	265	28,007	4,691	10,165	60,158
Isobutane	684	0	684	10,703	805	5,141	16,649	3,956	10,714	14,356	1,111	473	30,610	1,253	4,384	53,580
Other Liquids																
Other Hydrocarbons and Alcohol	412	0	412	3,324	18	172	3,514	1	5,450	5,041	37	254	10,783	221	4,585	19,515
Unfinished Oil (net)	61,317	2,597	63,914	2,659	-50	3,689	6,298	-433	88,939	10,177	271	-13	98,941	-1,686	5,100	172,567
Motor Gasoline Blending Components (net)	16,346	-205	16,141	11,940	-10	942	12,872	470	-5,916	5,708	281	33	576	562	858	31,009
Aviation Gasoline Blending Components (net)	0	0	0	279	0	-77	202	0	-16	1	0	0	-15	0	31	218
Total Input to Refineries	**518,359**	**39,459**	**557,818**	**757,956**	**116,014**	**264,381**	**1,138,351**	**195,446**	**1,236,548**	**885,031**	**68,475**	**27,854**	**2,413,354**	**171,580**	**977,283**	**5,258,386**
Crude Oil Distillation																
Gross Input (daily average)	1,197	100	1,297	1,953	308	667	2,928	483	3,057	2,310	173	69	6,092	455	2,675	13,447
Operable Capacity (daily average)	1,356	109	1,464	2,245	322	734	3,302	580	3,591	2,948	255	76	7,449	537	3,176	15,927
Operating Ratio (percent)[1]	88.3	92.0	88.5	87.0	95.5	90.8	88.7	83.2	85.1	78.4	68.1	91.4	81.8	84.7	84.2	84.4
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	527	16	543	656	105	227	988	178	1,222	717	29	24	2,171	153	659	4,514
Catalytic Hydrocracking	52	1	53	114	0	5	119	7	171	176	1	0	356	5	397	931
Cokers	70	0	70	143	51	68	262	9	197	335	11	0	552	16	464	1,364
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.08	.60	1.05	.99	2.08	.56	1.01	.78	.92	1.28	1.37	.82	1.06	.76	1.10	1.04
API Gravity, Weighted Average	30.62	38.66	31.24	34.91	29.75	37.17	34.88	38.42	33.81	31.08	33.64	40.24	33.22	36.09	25.33	31.93
Operable Capacity (daily average)	**1,356**	**109**	**1,464**	**2,245**	**322**	**734**	**3,302**	**580**	**3,591**	**2,948**	**255**	**76**	**7,449**	**537**	**3,176**	**15,927**
Operating	1,326	109	1,435	2,176	322	718	3,216	518	3,380	2,533	240	76	6,746	533	3,045	14,975
Idle	29	0	29	70	0	16	86	63	211	414	14	0	702	4	130	952
Alaskan Crude Oil Receipts	**13,859**	**0**	**13,859**	**16,644**	**0**	**2,162**	**18,806**	**0**	**60,072**	**53,053**	**2,051**	**0**	**115,176**	**0**	**498,501**	**646,342**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	19,845	336	20,181	24,310	2,950	4,691	31,951	3,295	50,023	48,492	1,182	1,067	104,059	3,367	23,053	182,611
Ethane	1,266	27	1,293	64	0	0	64	-536	2,535	30	0	0	2,029	0	422	3,808
Propane	15,673	309	15,982	24,162	2,686	5,546	32,394	4,991	37,138	22,821	962	740	66,652	2,402	13,225	130,655
Normal Butane	2,571	0	2,571	109	163	-890	-618	-3,201	9,876	25,388	220	254	32,537	1,009	7,854	43,353
Isobutane	335	0	335	-25	101	35	111	2,041	474	253	0	73	2,841	-44	1,552	4,795
Finished Motor Gasoline	244,405	14,132	258,537	421,266	60,085	144,988	626,339	106,182	586,140	416,266	20,774	15,429	1,144,791	87,379	428,722	2,545,768
Finished Leaded Motor Gasoline	22,765	2,685	25,450	55,527	12,458	44,170	112,155	29,050	87,306	74,170	3,902	5,313	199,741	31,558	107,666	476,570
Finished Unleaded Motor Gasoline	221,640	11,447	233,087	365,739	47,627	100,818	514,184	77,132	498,834	342,096	16,872	10,116	945,050	55,821	321,056	2,069,198
Finished Aviation Gasoline	108	0	108	871	167	181	1,219	1,490	2,538	1,569	0	0	5,597	277	2,096	9,297
Naphtha-Type Jet Fuel	8,825	0	8,825	4,432	281	3,093	7,806	9,218	11,455	8,691	2,318	3,048	34,730	4,969	19,063	75,393
Kerosene-Type Jet Fuel	25,158	-3	25,155	42,130	5,616	14,536	62,282	12,332	100,091	96,795	1,447	507	211,172	9,122	118,199	425,930
Kerosene	1,685	944	2,629	5,480	519	255	6,254	379	12,348	5,005	228	0	17,960	64	1,863	28,770
Distillate Fuel Oil	109,500	12,451	121,951	152,393	28,491	64,812	245,696	41,073	235,578	176,056	18,392	5,944	477,043	43,449	157,647	1,045,786
Residual Fuel Oil	51,648	940	52,588	21,103	3,190	1,910	26,203	2,943	65,106	46,236	3,399	153	117,837	4,011	138,095	338,734
Naphtha < 400 Deg. for Petro. Feed. Use	3,139	0	3,139	5,135	0	1,157	6,292	1,496	25,783	1,078	406	1	28,764	32	1,998	40,225
Other Oils > 400 Deg. for Petro. Feed. Use	100	0	100	7,389	0	717	8,106	1,695	48,989	19,705	0	0	70,389	86	3,585	82,266
Special Naphthas	1,332	272	1,604	2,008	0	1,759	3,767	1,123	11,603	540	1,939	0	15,205	-16	1,213	21,773
Lubricants	4,256	4,406	8,662	5,748	0	3,834	9,582	307	24,043	7,641	5,027	0	37,018	282	6,747	62,291
Waxes	0	1,022	1,022	223	0	381	604	148	1,848	687	633	0	3,316	422	802	6,166
Petroleum Coke	15,419	258	15,677	27,267	6,389	8,767	42,423	4,110	40,124	42,035	1,584	239	88,092	3,930	48,934	199,056
Marketable	4,120	0	4,120	15,204	4,744	5,556	25,504	518	19,496	31,912	1,002	0	52,928	1,681	36,645	120,878
Catalyst	11,299	258	11,557	12,063	1,645	3,211	16,919	3,592	20,628	10,123	582	239	35,164	2,249	12,289	78,178
Asphalt and Road Oil	32,081	2,650	34,731	34,450	9,270	10,446	54,166	4,928	9,305	14,913	9,791	1,118	40,055	10,285	22,829	162,066
Still Gas	21,570	1,898	23,468	34,945	4,144	12,015	51,104	8,842	61,985	38,042	2,075	1,009	111,953	7,192	51,634	245,351
Miscellaneous Products	4,471	556	5,027	3,330	467	729	4,526	280	8,434	5,661	0	0	14,375	713	2,022	26,663
Fuel Use	137	4	141	0	0	0	0	34	0	470	0	0	504	0	29	674
Non-Fuel Use	4,334	552	4,886	3,330	467	729	4,526	246	8,434	5,191	0	0	13,871	713	1,993	25,989
Total Production	**543,542**	**39,862**	**583,404**	**792,480**	**121,569**	**274,271**	**1,188,320**	**199,841**	**1,295,393**	**929,412**	**69,195**	**28,515**	**2,522,356**	**175,564**	**1,028,502**	**5,498,146**
Processing Gain(-) or Loss(+)[1]	-25,183	-403	-25,586	-34,524	-5,555	-9,890	-49,969	-4,395	-58,845	-44,381	-720	-661	-109,002	-3,984	-51,219	-239,760

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.0	0.9	3.7	3.4	2.6	1.9	3.0	1.9	4.2	5.8	1.8	4.2	4.5	2.1	2.4	3.6
Finished Motor Gasoline[2]	45.2	35.4	44.5	52.9	50.2	51.6	52.3	49.1	45.6	44.0	26.2	50.8	44.8	48.5	42.1	46.0
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.1	.1	.1	.8	.2	.2	.0	.0	.2	.2	.2	.2
Naphtha-Type Jet Fuel	1.8	0	1.6	.6	.3	1.3	.7	5.3	1.0	1.0	3.6	12.1	1.5	3.0	2.0	1.5
Kerosene-Type Jet Fuel	5.0	.0	4.7	5.9	5.0	5.9	5.8	7.0	8.4	11.6	2.2	2.0	9.2	5.6	12.5	8.5
Kerosene	.3	2.4	.5	.8	.5	.1	.6	.2	1.0	.6	.4	0	.8	.0	.2	.6
Distillate Fuel Oil	21.9	31.8	22.6	21.3	25.4	26.2	22.9	23.4	19.7	21.0	28.5	23.5	20.8	26.6	16.7	20.8
Residual Fuel Oil	10.3	2.4	9.8	3.0	2.8	.8	2.4	1.7	5.4	5.5	5.3	.6	5.1	2.5	14.6	6.7
Naphtha < 400 Deg. for Petro. Feed. Use	.6	0	.6	.7	0	.5	.6	.9	2.2	.1	.6	.0	1.3	.0	.2	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.0	0	.3	.8	1.0	4.1	2.4	0	0	3.1	.1	.4	1.6
Special Naphthas	.3	.7	.3	.3	0	.7	.4	.6	1.0	.1	3.0	0	.7	.0	.1	.4
Lubricants	.9	11.2	1.6	.8	0	1.6	.9	.2	2.0	.9	7.8	0	1.6	.2	.7	1.2
Waxes	0	2.6	.2	.0	0	.2	.1	.1	.2	.1	1.0	0	.1	.3	.1	.1
Petroleum Coke	3.1	.7	2.9	3.8	5.7	3.5	4.0	2.3	3.4	5.0	2.5	.9	3.8	2.4	5.2	4.0
Asphalt and Road Oil	6.4	6.8	6.4	4.8	8.2	4.2	5.0	2.8	.8	1.8	15.2	4.4	1.7	6.3	2.4	3.2
Still Gas	4.3	4.8	4.4	4.9	3.7	4.9	4.8	5.0	5.2	4.5	3.2	4.0	4.9	4.4	5.5	4.9
Miscellaneous Products	.9	1.4	.9	.5	.4	.3	.4	.2	.7	.7	.0	0	.6	.4	.2	.5
Processing Gain(-) or Loss(+)[4]	-5.0	-1.0	-4.7	-4.8	-4.9	-4.0	-4.7	-2.5	-4.9	-5.3	-1.1	-2.6	-4.7	-2.4	-5.4	-4.8

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Total (Daily Average)
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**429,968**	**346,950**	**994,989**	**23,456**	**73,642**	**1,869,005**	**5,107**
Natural Gas Liquids	**16,693**	**33,051**	**22,410**	**4,840**	**3,823**	**80,816**	**221**
Pentanes plus	3,100	411	322	345	0	4,178	11
Liquefied Petroleum Gases	13,593	32,640	22,088	4,495	3,823	76,638	209
Ethane	227	232	743	1	38	1,240	3
Propane	8,206	21,223	6,451	2,317	567	38,764	106
Normal Butane	3,354	7,270	9,630	1,415	2,089	23,759	65
Isobutane	1,806	3,915	5,264	762	1,128	12,874	35
Other Liquids [1]	**62,815**	**1,146**	**85,416**	**0**	**3,192**	**152,569**	**417**
Unfinished Oils [1]	44,892	1,105	82,730	0	2,872	131,599	360
Naphthas and Lighter	2,169	238	18,355	0	874	21,636	59
Kerosene and Light Gas Oils	217	0	2,284	0	0	2,501	7
Heavy Gas Oils	34,638	499	14,100	0	1,754	50,991	139
Residuum	7,868	368	47,991	0	244	56,471	154
Motor Gasoline Blending Components	17,923	41	2,686	0	320	20,970	57
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**491,390**	**12,629**	**68,378**	**1,965**	**32,387**	**606,750**	**1,658**
Finished Motor Gasoline	132,498	1,491	3,218	573	10,592	148,372	405
Finished Leaded Motor Gasoline	3,189	30	39	30	278	3,566	10
Finished Unleaded Motor Gasoline	129,309	1,461	3,179	543	10,314	144,806	396
Finished Aviation Gasoline	0	0	39	0	156	195	1
Naphtha-Type Jet Fuel	0	1,018	0	0	33	1,051	3
Kerosene-Type Jet Fuel	20,770	4,494	1,718	0	4,895	31,878	87
Bonded Aircraft Fuel	11,112	4,494	966	0	3,343	19,916	54
Other	9,658	0	752	0	1,552	11,962	33
Kerosene	3,379	0	2,150	0	172	5,701	16
Distillate Fuel Oil	104,576	2,090	913	1,352	1,423	110,354	302
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	104,576	2,090	913	1,352	1,423	110,354	302
Residual Fuel Oil	212,374	1,873	8,554	7	13,052	235,860	644
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	212,374	1,873	8,554	7	13,052	235,860	644
Naphtha < 400 Deg. for Petro. Feed. Use	2,553	174	26,372	0	442	29,541	81
Other Oils > 400 Deg. for Petro. Feed. Use	228	0	23,248	0	524	24,000	66
Special Naphthas	458	677	1,112	1	155	2,403	7
Lubricants	3,358	175	220	0	184	3,937	11
Waxes	340	172	18	11	90	631	2
Petroleum Coke	41	0	345	0	221	607	2
Asphalt and Road Oil	10,239	403	412	21	448	11,523	31
Miscellaneous Products	576	62	59	0	0	697	2
Total Imports	**1,000,866**	**393,776**	**1,171,193**	**30,261**	**113,044**	**2,709,140**	**7,402**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	21,123	9,524	8,801	0	0	313	0	6,466	22,206	0	41,408	88,718	109,841	300
Iraq	125,515	0	930	0	0	0	0	0	0	0	0	930	126,445	345
Kuwait	29,381	790	3,155	0	0	46	0	0	130	0	0	4,121	33,502	92
Neutral Zone[4]	3,274	0	0	0	0	0	0	0	0	0	0	0	3,274	9
Saudi Arabia	330,194	7,221	33,715	386	7,840	3,720	325	5,002	522	0	660	59,391	389,585	1,064
United Arab Emirates	8,270	482	573	0	0	592	0	342	0	0	213	2,202	10,472	29
Subtotal Arab OPEC	517,757	18,017	47,174	386	7,840	4,671	325	11,810	22,858	0	42,281	155,362	673,119	1,839
Other OPEC														
Ecuador	12,240	0	0	0	0	0	0	0	5,074	0	0	5,074	17,314	47
Gabon	5,664	0	0	0	0	0	0	0	323	0	0	323	5,987	16
Indonesia	68,127	0	1,176	0	0	0	0	0	5,086	0	560	6,822	74,949	205
Iran	[5] 25	0	0	0	0	0	0	0	0	0	0	0	[5] 25	[5] (s)
Nigeria	222,094	0	603	0	0	0	0	256	3,217	0	0	4,076	226,170	618
Venezuela	160,747	2,298	19,952	2,513	17,824	8,958	0	34,136	36,379	38	7,792	129,891	290,638	794
Subtotal Other OPEC	468,897	2,298	21,731	2,513	17,824	8,958	0	34,392	50,079	38	8,352	146,186	615,083	1,681
Other														
Albania	0	0	0	0	120	0	0	0	0	0	0	120	120	(s)
Angola	74,325	0	0	0	0	0	0	0	3,120	0	0	3,120	77,445	212
Argentina	1,277	0	0	18	771	0	0	0	2,599	336	160	3,884	5,161	14
Australia	21,669	318	0	0	0	0	0	0	1,146	0	131	1,595	23,264	64
Bahama Islands	0	0	100	0	250	0	0	464	10,876	0	0	11,690	11,690	32
Bahrain	0	0	275	0	0	0	0	0	519	0	0	794	794	2
Belgium	0	0	4,261	208	1,642	0	0	0	2,376	0	38	8,525	8,525	23
Benin	1,326	0	0	0	0	0	0	0	0	0	0	0	1,326	4
Bermuda	0	0	8	0	0	0	0	0	0	0	0	8	8	(s)
Brazil	0	548	15	101	26,824	0	219	1,495	6,509	87	149	35,947	35,947	98
Brunei	469	0	0	0	0	0	0	0	0	0	0	0	469	1
Cameroon	13,691	0	0	0	0	0	0	0	2,234	0	0	2,234	15,925	44
Canada	249,077	45,423	2,950	96	18,193	3,505	487	24,916	14,842	1,547	4,734	116,693	365,770	999
Chile	0	0	0	0	0	0	0	186	210	0	0	396	396	1
China, People's Republic	30,092	1	0	307	1,319	0	0	158	0	0	260	2,045	32,137	88
China, Taiwan	0	47	0	0	0	0	0	0	0	0	116	163	163	(s)
Colombia	38,640	0	0	0	0	0	0	362	10,175	0	0	10,537	49,177	134
Congo	10,747	0	0	0	0	0	0	0	1,098	0	0	1,098	11,845	32
Egypt	9,560	0	0	0	0	0	0	0	350	0	10	360	9,920	27
Finland	0	78	0	0	292	0	0	0	0	0	0	370	370	1
France	0	159	639	0	4,577	0	0	0	2,281	0	177	7,833	7,833	21
Germany, DR (E)	0	0	0	0	0	0	0	944	0	0	0	944	944	3
Germany, FD (W)	0	14	611	0	310	0	0	0	827	32	58	1,852	1,852	5
Ghana	0	0	151	0	0	0	0	0	435	0	0	586	586	2
Greece	0	0	239	0	3,022	251	0	767	3,621	0	0	7,900	7,900	22
Guatemala	1,083	0	0	0	0	0	0	0	0	0	0	0	1,083	3
Hong Kong	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Hungary	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
India	100	0	7,352	0	0	0	0	0	0	0	3,277	10,629	10,729	29
Ireland	0	0	174	0	0	0	0	0	203	0	0	377	377	1
Israel	0	0	0	0	1,360	0	0	0	0	36	0	1,396	1,396	4
Italy	1,883	1	7,266	55	10,072	587	0	981	2,146	22	730	21,859	23,742	65

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Japan	0	21	0	0	0	0	0	57	0	80	524	682	682	2
Korea, Republic	0	12	0	0	76	258	0	0	0	0	262	608	608	2
Liberia	0	0	0	0	0	0	0	210	0	0	0	210	210	1
Malaysia	6,868	0	0	0	0	0	0	67	126	0	0	193	7,061	19
Malta	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mauritania	0	0	0	0	0	0	0	0	245	0	0	245	245	1
Mexico	246,545	9,051	0	440	1,111	5,258	0	1,520	6,362	0	3,083	26,825	273,370	747
Netherlands Antilles	0	12	388	310	1,322	70	0	1,113	9,721	0	143	13,079	13,079	36
Netherlands	0	16	2,796	81	12,822	0	189	2,879	2,897	146	429	22,255	22,255	61
Norway	22,570	0	488	0	0	0	0	0	894	0	569	1,951	24,521	67
Oman	2,439	0	1,248	0	0	0	0	0	0	0	0	1,248	3,687	10
Panama	0	1	0	0	0	0	0	0	10	0	0	11	11	(s)
Peru	1,849	0	0	0	0	0	0	0	10,336	0	0	10,336	12,185	33
Philippines	0	74	0	0	0	0	0	0	0	0	0	74	74	(s)
Portugal	0	0	0	22	801	0	0	0	843	0	93	1,759	1,759	5
Puerto Rico	0	0	1,798	0	0	0	0	0	0	0	6,366	8,164	8,164	22
Romania	0	0	0	12,227	5,445	0	0	1,963	1,494	3	0	21,132	21,132	58
Singapore	0	0	901	13	146	1,391	0	79	7,964	0	10	10,504	10,504	29
South Africa	0	0	0	0	0	0	0	210	210	0	133	553	553	2
Spain	0	71	3,588	142	12,829	2,220	0	882	3,174	0	1,994	24,900	24,900	68
Sweden	0	2	146	0	204	0	0	372	3,781	0	307	4,812	4,812	13
Switzerland	0	(s)	413	0	0	0	0	0	0	0	2	415	415	1
Syria	2,859	0	690	0	0	0	0	0	352	0	0	1,042	3,901	11
Thailand	4,055	0	0	0	0	0	0	0	0	0	0	0	4,055	11
Togo	0	0	0	0	0	0	0	0	87	0	0	87	87	(s)
Trinidad and Tobago	26,119	0	0	0	617	724	115	1,180	6,868	0	11	9,515	35,634	97
Tunisia	0	0	220	0	0	0	0	0	392	0	0	612	612	2
Turkey	0	84	1,878	0	0	0	0	0	230	0	539	2,731	2,731	7
United Kingdom	92,910	391	2,296	0	7,773	244	0	2,154	9,242	68	366	22,534	115,444	315
U.S.S.R.	0	0	2,826	0	395	0	0	4,230	3,067	8	0	10,526	10,526	29
Virgin Islands	0	0	18,977	4,051	10,415	4,792	4,366	16,963	28,917	0	0	88,481	88,481	242
Yemen (Sanaa)	10,728	0	0	0	0	0	0	0	0	0	0	0	10,728	29
Zaire	11,470	0	0	0	0	0	0	0	0	0	0	144	11,614	32
Subtotal Other	**882,351**	**56,323**	**62,694**	**18,071**	**122,708**	**19,300**	**5,376**	**64,152**	**162,923**	**2,365**	**24,676**	**538,587**	**1,420,938**	**3,882**
Total Imports	1,869,005	76,638	131,599	20,970	148,372	32,929	5,701	110,354	235,860	2,403	75,309	840,135	2,709,140	7,402
							PAD District I							
Arab OPEC														
Algeria	0	5,036	7,735	0	0	313	0	6,466	20,024	0	0	39,574	39,574	108
Iraq	8,148	0	0	0	0	0	0	0	0	0	0	0	8,148	22
Kuwait	391	0	0	0	0	0	0	0	130	0	0	130	521	1
Neutral Zone[4]	650	0	0	0	0	0	0	0	0	0	0	0	650	2
Saudi Arabia	43,736	2,239	355	386	5,997	2,842	325	5,002	274	0	0	17,420	61,156	167
United Arab Emirates	1,427	0	0	0	0	0	0	342	0	0	0	342	1,769	5
Subtotal Arab OPEC	54,352	7,275	8,090	386	5,997	3,155	325	11,810	20,428	0	0	57,466	111,818	306

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other OPEC														
Ecuador	7,533	0	0	0	0	0	0	0	4,893	0	0	4,893	12,426	34
Gabon	2,551	0	0	0	0	0	0	0	323	0	0	323	2,874	8
Indonesia	2,751	0	0	0	0	0	0	0	1,575	0	0	1,575	4,326	12
Nigeria	114,812	0	0	0	0	0	0	256	3,217	0	0	3,473	118,285	323
Venezuela	40,367	1,058	4,806	1,094	15,419	6,961	0	34,134	36,129	4	6,941	106,546	146,913	401
Subtotal Other OPEC	168,014	1,058	4,806	1,094	15,419	6,961	0	34,390	46,137	4	6,941	116,810	284,824	778
Other														
Angola	37,686	0	0	0	0	0	0	0	3,120	0	0	3,120	40,806	111
Argentina	1,277	0	0	18	601	0	0	0	2,599	57	0	3,275	4,552	12
Australia	1,298	0	0	0	0	0	0	0	182	0	80	262	1,560	4
Bahama Islands	0	0	0	0	0	0	0	464	10,649	0	0	11,113	11,113	30
Bahrain	0	0	0	0	0	0	0	0	519	0	0	519	519	1
Belgium	0	0	1,619	0	1,642	0	0	0	2,376	0	0	5,637	5,637	15
Benin	1,013	0	0	0	0	0	0	0	0	0	0	0	1,013	3
Brazil	0	0	15	26	25,055	0	219	1,495	6,509	17	140	33,476	33,476	91
Cameroon	7,179	0	0	0	0	0	0	0	2,234	0	0	2,234	9,413	26
Canada	24,059	5,171	591	15	13,810	2,099	315	19,849	11,772	116	2,152	55,890	79,949	218
Chile	0	0	0	0	0	0	0	186	210	0	0	396	396	1
China, People's Republic	11,450	0	0	0	0	0	0	0	0	0	114	114	11,564	32
China, Taiwan	0	30	0	0	0	0	0	0	0	0	0	30	30	(s)
Colombia	8,239	0	0	0	0	0	0	362	10,175	0	0	10,537	18,776	51
Congo	2,353	0	0	0	0	0	0	0	1,098	0	0	1,098	3,451	9
Egypt	7,737	0	0	0	0	0	0	0	350	0	5	355	8,092	22
Finland	0	0	0	0	292	0	0	0	0	0	0	292	292	1
France	0	24	0	0	3,888	0	0	0	2,281	0	54	6,247	6,247	17
Germany, DR (E)	0	0	0	0	0	0	0	944	0	0	0	944	944	3
Germany, FD (W)	0	13	0	0	310	0	0	0	827	28	24	1,202	1,202	3
Ghana	0	0	133	0	0	0	0	0	435	0	0	568	568	2
Greece	0	0	0	0	3,022	251	0	767	3,621	0	0	7,661	7,661	21
Hungary	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
India	0	0	569	0	0	0	0	0	0	0	0	569	569	2
Ireland	0	0	0	0	0	0	0	0	203	0	0	203	203	1
Israel	0	0	0	0	1,360	0	0	0	0	0	0	1,360	1,360	4
Italy	1,532	1	3,745	55	10,072	37	0	981	2,146	18	24	17,079	18,611	51
Japan	0	1	0	0	0	0	0	0	0	8	92	101	101	(s)
Korea, Republic	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Liberia	0	0	0	0	0	0	0	210	0	0	0	210	210	1
Malaysia	0	0	0	0	0	0	0	67	0	0	0	67	67	(s)
Mauritania	0	0	0	0	0	0	0	0	245	0	0	245	245	1
Mexico	29,936	0	0	0	309	1,316	0	1,420	2,966	0	2,531	8,542	38,478	105
Netherlands Antilles	0	0	0	0	697	70	0	1,113	9,721	0	84	11,685	11,685	32
Netherlands	0	6	2,638	81	11,770	0	189	2,875	2,897	131	55	20,642	20,642	56
Norway	15,013	0	213	0	0	0	0	0	894	0	569	1,676	16,689	46
Oman	839	0	0	0	0	0	0	0	0	0	0	0	839	2
Panama	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Peru	720	0	0	0	0	0	0	0	10,336	0	0	10,336	11,056	30
Portugal	0	0	0	0	577	0	0	0	843	0	0	1,420	1,420	4
Puerto Rico	0	0	1,695	0	0	0	0	0	0	0	5,513	7,208	7,208	20

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Romania	0	0	0	12,055	5,445	0	0	1,963	1,181	3	0	20,647	20,647	56
Singapore	0	0	0	0	0	0	0	0	1,017	0	0	1,017	1,017	3
South Africa	0	0	0	0	0	0	0	210	210	0	73	493	493	1
Spain	0	2	1,346	142	12,828	1,683	0	571	3,173	0	1,875	21,620	21,620	59
Sweden	0	1	146	0	204	0	0	372	3,781	0	0	4,504	4,504	12
Switzerland	0	(s)	0	0	0	0	0	0	0	0	2	2	2	(s)
Syria	2,859	0	690	0	0	0	0	0	352	0	0	1,042	3,901	11
Togo	0	0	0	0	0	0	0	0	87	0	0	87	87	(s)
Trinidad and Tobago	5,479	0	0	0	617	391	115	1,180	6,868	0	11	9,182	14,661	40
Tunisia	0	0	0	0	0	0	0	0	392	0	0	392	392	1
Turkey	0	0	0	0	0	0	0	0	230	0	0	230	230	1
United Kingdom	40,723	4	467	0	7,773	244	0	2,154	8,627	68	91	19,428	60,151	164
U.S.S.R.	0	0	0	0	395	0	0	4,230	1,612	8	0	6,245	6,245	17
Virgin Islands	0	0	18,129	4,051	10,415	4,563	2,216	16,963	28,917	0	0	85,254	85,254	233
Yemen (Sanaa)	2,713	0	0	0	0	0	0	0	0	0	0	0	2,713	7
Zaire	5,497	0	0	0	0	0	0	0	144	0	0	144	5,641	15
Subtotal Other	**207,602**	**5,259**	**31,996**	**16,443**	**111,082**	**10,654**	**3,054**	**58,376**	**145,809**	**454**	**13,494**	**396,621**	**604,223**	**1,651**
Total Imports	429,968	13,593	44,892	17,923	132,498	20,770	3,379	104,576	212,374	458	20,435	570,898	1,000,866	2,735
							PAD District II							
Arab OPEC														
Algeria	5,005	0	0	0	0	0	0	0	0	0	0	0	5,005	14
Iraq	12,988	0	0	0	0	0	0	0	0	0	0	0	12,988	35
Kuwait	656	0	0	0	0	0	0	0	0	0	0	0	656	2
Saudi Arabia	53,702	0	0	0	0	0	0	0	0	0	0	0	53,702	147
United Arab Emirates	177	0	0	0	0	592	0	0	0	0	0	592	769	2
Subtotal Arab OPEC	72,528	0	0	0	0	592	0	0	0	0	0	592	73,120	200
Other OPEC														
Ecuador	1,565	0	0	0	0	0	0	0	0	0	0	0	1,565	4
Indonesia	659	0	0	0	0	0	0	0	0	0	0	0	659	2
Nigeria	38,718	0	0	0	0	0	0	0	0	0	0	0	38,718	106
Venezuela	2,814	0	634	0	0	1,273	0	0	0	0	0	1,907	4,721	13
Subtotal Other OPEC	43,756	0	634	0	0	1,273	0	0	0	0	0	1,907	45,663	125
Other														
Cameroon	417	0	0	0	0	0	0	0	0	0	0	0	417	1
Canada	192,582	32,597	0	41	1,491	1,018	0	2,086	1,873	677	1,227	41,010	233,592	638
Colombia	1,447	0	0	0	0	0	0	0	0	0	0	0	1,447	4
Congo	480	0	0	0	0	0	0	0	0	0	0	0	480	1
Egypt	935	0	0	0	0	0	0	0	0	0	0	0	935	3
France	0	34	0	0	0	0	0	0	0	0	0	34	34	(s)
Italy	0	0	0	0	0	132	0	0	0	0	0	132	132	(s)
Japan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	19,967	0	0	0	0	1,913	0	0	0	0	0	1,913	21,880	60
Netherlands	0	0	0	0	0	0	0	4	0	0	0	4	4	(s)

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District II (continued)							
Other (continued)														
Norway	447	0	0	0	0	0	0	0	0	0	0	0	447	1
Peru	1,129	0	0	0	0	0	0	0	0	0	0	0	1,129	3
Puerto Rico	0	0	103	0	0	0	0	0	0	0	0	103	103	(s)
South Africa	0	0	0	0	0	0	0	0	0	0	51	51	51	(s)
Spain	0	0	0	0	0	251	0	0	0	0	119	370	370	1
Sweden	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Trinidad and Tobago	176	0	0	0	0	333	0	0	0	0	0	333	509	1
United Kingdom	7,612	8	368	0	0	0	0	0	0	0	0	376	7,988	22
Yemen (Sanaa)	4,178	0	0	0	0	0	0	0	0	0	0	0	4,178	11
Zaire	1,296	0	0	0	0	0	0	0	0	0	0	0	1,296	4
Subtotal Other	**230,666**	**32,640**	**471**	**41**	**1,491**	**3,647**	**0**	**2,090**	**1,873**	**677**	**1,397**	**44,327**	**274,993**	**751**
Total Imports	346,950	32,640	1,105	41	1,491	5,512	0	2,090	1,873	677	1,397	46,826	393,776	1,076
							PAD District III							
Arab OPEC														
Algeria	16,118	4,488	1,066	0	0	0	0	0	2,182	0	41,408	49,144	65,262	178
Iraq	104,379	0	930	0	0	0	0	0	0	0	0	930	105,309	288
Kuwait	28,334	790	3,155	0	0	0	0	0	0	0	0	3,945	32,279	88
Neutral Zone[4]	2,624	0	0	0	0	0	0	0	0	0	0	0	2,624	7
Saudi Arabia	232,756	4,981	33,360	0	0	0	0	0	248	0	660	39,249	272,005	743
United Arab Emirates	5,979	482	573	0	0	0	0	0	0	0	213	1,268	7,247	20
Subtotal Arab OPEC	390,190	10,741	39,084	0	0	0	0	0	2,430	0	42,281	94,536	484,726	1,324
Other OPEC														
Ecuador	2,851	0	0	0	0	0	0	0	0	0	0	0	2,851	8
Gabon	3,113	0	0	0	0	0	0	0	0	0	0	0	3,113	9
Indonesia	20,400	0	922	0	0	0	0	0	0	0	36	958	21,358	58
Iran	[5] 25	0	0	0	0	0	0	0	0	0	0	0	[5] 25	[5] (s)
Nigeria	68,564	0	603	0	0	0	0	0	0	0	0	603	69,167	189
Venezuela	117,566	1,240	14,512	1,419	1,910	0	0	2	250	34	640	20,007	137,573	376
Subtotal Other OPEC	212,519	1,240	16,037	1,419	1,910	0	0	2	250	34	676	21,568	234,087	640
Other														
Angola	36,639	0	0	0	0	0	0	0	0	0	0	0	36,639	100
Argentina	0	0	0	0	0	0	0	0	0	279	160	439	439	1
Australia	9,218	0	0	0	0	0	0	0	0	0	51	51	9,269	25
Bahama Islands	0	0	100	0	0	0	0	0	227	0	0	327	327	1
Bahrain	0	0	275	0	0	0	0	0	0	0	0	275	275	1
Belgium	0	0	2,642	208	0	0	0	0	0	0	38	2,888	2,888	8
Benin	313	0	0	0	0	0	0	0	0	0	0	0	313	1
Bermuda	0	0	8	0	0	0	0	0	0	0	0	8	8	(s)
Brazil	0	548	0	75	747	0	0	0	0	70	9	1,449	1,449	4
Cameroon	6,095	0	0	0	0	0	0	0	0	0	0	0	6,095	17
Canada	3,510	1	1,739	40	0	0	0	600	701	598	561	4,240	7,750	21
China, People's Republic	16,051	0	0	0	0	0	0	0	0	0	146	146	16,197	44
Colombia	28,954	0	0	0	0	0	0	0	0	0	0	0	28,954	79

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Congo	7,914	0	0	0	0	0	0	0	0	0	0	0	7,914	22
Egypt	888	0	0	0	0	0	0	0	0	0	5	5	893	2
Finland	0	78	0	0	0	0	0	0	0	0	0	78	78	(s)
France	0	101	639	0	0	0	0	0	0	0	123	863	863	2
Germany, FD (W)	0	1	611	0	0	0	0	0	0	4	34	650	650	2
Ghana	0	0	18	0	0	0	0	0	0	0	0	18	18	(s)
Greece	0	0	239	0	0	0	0	0	0	0	0	239	239	1
Guatemala	1,083	0	0	0	0	0	0	0	0	0	0	0	1,083	3
India	100	0	6,783	0	0	0	0	0	0	0	3,277	10,060	10,160	28
Ireland	0	0	174	0	0	0	0	0	0	0	0	174	174	(s)
Israel	0	0	0	0	0	0	0	0	0	36	0	36	36	(s)
Italy	351	0	3,269	0	0	0	0	0	0	4	706	3,979	4,330	12
Japan	0	0	0	0	0	0	0	0	0	72	194	266	266	1
Malaysia	2,259	0	0	0	0	0	0	0	0	0	0	0	2,259	6
Mexico	196,642	9,051	0	440	312	1,403	0	0	2,562	0	269	14,037	210,679	576
Netherlands Antilles	0	12	388	310	248	0	0	0	0	0	59	1,017	1,017	3
Netherlands	0	0	158	0	0	0	0	0	0	15	374	547	547	1
Norway	7,110	0	275	0	0	0	0	0	0	0	0	275	7,385	20
Oman	1,600	0	1,248	0	0	0	0	0	0	0	0	1,248	2,848	8
Panama	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Portugal	0	0	0	22	0	0	0	0	0	0	93	115	115	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	853	853	853	2
Romania	0	0	0	172	0	0	0	0	313	0	0	485	485	1
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Spain	0	69	2,242	0	1	86	0	311	1	0	0	2,710	2,710	7
Sweden	0	0	0	0	0	0	0	0	0	0	307	307	307	1
Trinidad and Tobago	20,464	0	0	0	0	0	0	0	0	0	0	0	20,464	56
Tunisia	0	0	220	0	0	0	0	0	0	0	0	220	220	1
Turkey	0	84	1,878	0	0	0	0	0	0	0	539	2,501	2,501	7
United Kingdom	44,575	161	1,461	0	0	0	0	0	615	0	275	2,512	47,087	129
U.S.S.R.	0	0	2,826	0	0	0	0	0	1,455	0	0	4,281	4,281	12
Virgin Islands	0	0	416	0	0	229	2,150	0	0	0	0	2,795	2,795	8
Yemen (Sanaa)	3,837	0	0	0	0	0	0	0	0	0	0	0	3,837	10
Zaire	4,677	0	0	0	0	0	0	0	0	0	0	0	4,677	13
Subtotal Other	**392,280**	**10,107**	**27,609**	**1,267**	**1,308**	**1,718**	**2,150**	**911**	**5,874**	**1,078**	**8,078**	**60,100**	**452,380**	**1,236**
Total Imports	994,989	22,088	82,730	2,686	3,218	1,718	2,150	913	8,554	1,112	51,035	176,204	1,171,193	3,200
							PAD District IV							
Other														
Canada	23,456	4,494	0	0	573	0	0	1,352	7	1	377	6,804	30,260	83
China, People's Republic	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Malta	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Subtotal Other	**23,456**	**4,495**	**0**	**0**	**573**	**0**	**0**	**1,352**	**7**	**1**	**377**	**6,805**	**30,261**	**83**
Total Imports	23,456	4,495	0	0	573	0	0	1,352	7	1	377	6,805	30,261	83

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] 1988 (continued)

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V													
Arab OPEC														
Kuwait	0	0	0	0	0	46	0	0	0	0	0	46	46	(s)
Saudi Arabia	0	0	0	0	1,843	878	0	0	0	0	0	2,721	2,721	7
United Arab Emirates	687	0	0	0	0	0	0	0	0	0	0	0	687	2
Subtotal Arab OPEC	687	0	0	0	1,843	924	0	0	0	0	0	2,767	3,454	9
Other OPEC														
Ecuador	291	0	0	0	0	0	0	0	181	0	0	181	472	1
Indonesia	44,317	0	254	0	0	0	0	0	3,511	0	524	4,289	48,606	133
Venezuela	0	0	0	0	495	725	0	0	0	0	211	1,431	1,431	4
Subtotal Other OPEC	44,608	0	254	0	495	725	0	0	3,692	0	735	5,901	50,509	138
Other														
Albania	0	0	0	0	120	0	0	0	0	0	0	120	120	(s)
Argentina	0	0	0	0	170	0	0	0	0	0	0	170	170	(s)
Australia	11,153	318	0	0	0	0	0	0	964	0	0	1,282	12,435	34
Bahama Islands	0	0	0	0	250	0	0	0	0	0	0	250	250	1
Brazil	0	0	0	0	1,022	0	0	0	0	0	0	1,022	1,022	3
Brunei	469	0	0	0	0	0	0	0	0	0	0	0	469	1
Canada	5,470	3,160	620	0	2,319	388	172	1,029	489	155	417	8,750	14,220	39
China, People's Republic	2,591	0	0	307	1,319	0	0	158	0	0	0	1,784	4,375	12
China, Taiwan	0	17	0	0	0	0	0	0	0	0	116	133	133	(s)
France	0	0	0	0	689	0	0	0	0	0	0	689	689	2
Hong Kong	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Italy	0	0	252	0	0	418	0	0	0	0	0	670	670	2
Japan	0	19	0	0	0	0	0	57	0	0	238	314	314	1
Korea, Republic	0	6	0	0	76	258	0	0	0	0	262	602	602	2
Malaysia	4,609	0	0	0	0	0	0	0	126	0	0	126	4,735	13
Mexico	0	0	0	0	490	625	0	100	834	0	283	2,332	2,332	6
Netherlands Antilles	0	0	0	0	377	0	0	0	0	0	0	377	377	1
Netherlands	0	10	0	0	1,052	0	0	0	0	0	0	1,062	1,062	3
Philippines	0	74	0	0	0	0	0	0	0	0	0	74	74	(s)
Portugal	0	0	0	0	224	0	0	0	0	0	0	224	224	1
Singapore	0	0	901	13	146	1,391	0	79	6,947	0	10	9,487	9,487	26
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Spain	0	0	0	0	0	199	0	0	0	0	0	199	199	1
Switzerland	0	(s)	413	0	0	0	0	0	0	0	0	413	413	1
Thailand	4,055	0	0	0	0	0	0	0	0	0	0	0	4,055	11
United Kingdom	0	218	0	0	0	0	0	0	0	0	0	218	218	1
Virgin Islands	0	0	432	0	0	0	0	0	0	0	0	432	432	1
Subtotal Other	**28,347**	**3,823**	**2,618**	**320**	**8,254**	**3,279**	**172**	**1,423**	**9,360**	**155**	**1,330**	**30,734**	**59,081**	**161**
Total Imports	73,642	3,823	2,872	320	10,592	4,928	172	1,423	13,052	155	2,065	39,402	113,044	309

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.

4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.

5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	(s)	3,727	0	0	52,986	56,713	155
Natural Gas Liquids	850	6,445	8,140	433	2,762	18,631	51
Pentanes Plus	0	784	0	0	0	784	2
Liquefied Petroleum Gases	850	5,661	8,140	433	2,762	17,847	49
Ethane	7	1,571	2	0	1	1,581	4
Propane	372	1,719	7,810	173	1,233	11,307	31
Normal Butane	471	1,586	329	260	1,529	4,176	11
Isobutane	0	784	0	0	0	784	2
Finished Motor Gasoline	240	668	5,310	1	1,852	8,071	22
Naphtha-Type Jet Fuel	9	(s)	248	2	235	494	1
Kerosene-Type Jet Fuel	274	7	5,925	(s)	3,498	9,703	27
Kerosene	92	245	44	1	54	435	1
Distillate Fuel Oil	349	452	12,201	1	12,097	25,100	69
Residual Fuel Oil	167	0	20,758	0	52,183	73,108	200
Naphtha < 400 Deg. for Petro. Feed. Use	687	299	960	11	429	2,386	7
Other Oils > 400 Deg. for Petro. Feed. Use	17	373	3,768	0	1,860	6,018	16
Special Naphthas	577	178	1,155	2	700	2,611	7
Lubricants	2,769	514	4,291	42	1,967	9,582	26
Waxes	76	140	311	(s)	97	625	2
Petroleum Coke	2,013	2,375	47,899	3	32,265	84,556	231
Asphalt	9	241	17	8	59	335	1
Miscellaneous Products	88	1	3	0	6	98	(s)
Total Product Exports	8,219	11,939	111,029	503	110,063	241,753	661
Total Exports	**8,219**	**15,666**	**111,029**	**503**	**163,049**	**298,466**	**815**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	41	0	0	220	256	9	66	1	6	(s)	117	716	2
Australia	0	19	0	0	255	2,454	57	139	6	2,845	1	30	5,806	16
Bahamas	0	112	650	339	2,193	4,795	(s)	44	(s)	0	(s)	1	8,135	22
Bahrain	0	1	0	0	(s)	0	(s)	1	(s)	444	0	3	449	1
Belgium & Luxembourg	0	113	(s)	0	0	0	104	261	10	8,706	1	15	9,211	25
Brazil	0	54	45	0	263	33	32	160	(s)	484	(s)	7	1,079	3
Cameroon	0	0	0	0	0	0	0	(s)	0	226	0	0	226	1
Canada	3,737	6,738	1,393	2,433	3,562	3,625	250	1,521	170	5,039	290	1,874	30,634	84
Chile	0	3	50	0	373	222	11	217	3	(s)	(s)	5	884	2
China, Taiwan	951	73	1	0	787	15,261	5	543	31	260	1	278	18,190	50
Colombia	0	1	151	0	0	0	13	88	(s)	3	(s)	10	265	1
Costa Rica	0	1	21	0	(s)	0	30	124	1	20	(s)	46	244	1
Denmark	0	1	0	0	1	0	1	6	(s)	771	1	8	790	2
Dominican Republic	0	65	4	0	139	58	6	38	1	(s)	0	6	319	1
Ecuador	0	1	62	10	(s)	0	3	152	1	0	(s)	10	239	1
Egypt	0	(s)	0	0	0	0	0	12	(s)	268	(s)	3	283	1
El Salvador	0	17	97	0	78	0	3	37	(s)	(s)	0	35	268	1
Finland	0	(s)	0	0	0	0	0	13	(s)	174	(s)	3	190	1
France	0	135	(s)	0	(s)	107	2	38	80	2,821	(s)	1,129	4,312	12
French Pacific Isl	0	2	0	0	392	1,390	(s)	4	0	0	0	0	1,787	5
Ghana	0	0	0	0	0	0	(s)	3	0	367	(s)	(s)	371	1
Greece	0	10	0	0	0	0	2	9	(s)	1,664	0	(s)	1,684	5
Guatemala	0	918	931	92	1,444	169	13	119	1	(s)	(s)	18	3,706	10
Guinea	0	0	0	0	0	0	0	8	0	0	(s)	(s)	8	(s)
Honduras	0	60	25	20	70	45	6	51	3	0	0	11	290	1
Hong Kong	0	6	0	0	0	0	2	35	2	(s)	(s)	4	49	(s)
India	0	1	0	0	0	0	20	156	2	(s)	(s)	27	207	1
Indonesia	0	1	0	0	0	0	4	33	(s)	194	(s)	1	234	1
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Israel	0	3	39	448	0	0	11	32	(s)	282	0	13	828	2
Italy	0	152	3	0	0	0	26	49	9	9,552	1	877	10,668	29
Ivory Coast	0	0	0	0	0	0	0	25	(s)	0	(s)	(s)	25	(s)
Jamaica	0	196	270	0	760	2,795	2	57	2	(s)	0	7	4,089	11
Japan	0	60	2,669	5,792	7,351	5,854	957	612	38	21,235	(s)	867	45,435	124
Jordan	0	1	0	0	0	0	0	11	0	0	0	2	14	(s)
Korea, Republic	0	282	3	0	714	4,724	67	614	4	1,199	(s)	1,001	8,608	24
Kuwait	0	1	0	(s)	0	0	(s)	15	0	0	0	2	18	(s)
Lebanon	0	(s)	0	0	0	0	0	8	(s)	348	0	(s)	357	1
Liberia	0	(s)	0	0	0	21	0	1	0	0	(s)	(s)	22	(s)
Malaysia	0	(s)	0	0	0	0	3	19	4	11	(s)	52	90	(s)
Mexico	0	7,584	778	18	2	15,011	65	1,115	163	896	3	130	25,764	70
Netherlands	0	71	19	0	82	19	457	142	7	8,131	1	762	9,692	26
Netherlands Antilles	0	(s)	9	2	79	5,327	1	21	0	0	0	3	5,442	15
New Zealand	0	1	0	0	(s)	0	9	25	1	522	2	12	572	2
Nigeria	0	0	0	0	0	0	0	98	1	0	(s)	0	99	(s)
Norway	0	8	0	0	(s)	0	(s)	6	(s)	1,175	(s)	1	1,190	3
Pacific Trust Terr.	0	4	0	0	0	0	0	4	0	0	0	(s)	8	(s)
Panama	0	32	409	2	1,075	1,612	9	263	(s)	0	1	23	3,426	9
Peru	0	29	45	900	3,007	0	1	136	(s)	1	(s)	3	4,122	11
Philippines	0	30	0	0	1	0	9	62	3	27	(s)	121	253	1
Puerto Rico	6,223	116	138	119	310	97	226	417	15	11	1	151	7,824	21
Rep. of South Africa	0	93	0	0	(s)	0	(s)	9	1	362	(s)	41	507	1
Saudi Arabia	0	125	0	0	(s)	0	3	89	(s)	4	(s)	24	245	1

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, 1988 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Singapore	0	8	0	0	326	4,513	18	85	(s)	58	(s)	184	5,193	14
Spain	0	(s)	0	0	529	3,425	1	47	19	8,460	(s)	711	13,194	36
Surinam	0	83	0	0	0	0	(s)	10	0	22	0	(s)	116	(s)
Sweden	0	(s)	0	0	0	0	2	20	1	307	1	4	335	1
Switzerland	0	3	0	0	1	0	1	15	(s)	0	1	3	23	(s)
Thailand	0	3	0	0	0	0	7	43	1	(s)	(s)	296	352	1
Trinidad and Tobago	0	7	0	0	80	0	108	3	(s)	1	0	4	202	1
Turkey	0	1	0	0	0	0	0	46	(s)	1,394	0	2	1,442	4
United Arab Emirates	0	5	0	0	0	5	(s)	86	0	247	(s)	16	359	1
United Kingdom	0	167	75	0	6	204	2	66	6	2,304	8	530	3,370	9
U.S.S.R.	0	0	0	0	0	25	0	911	0	433	1	12	1,380	4
Uruguay	0	(s)	16	0	0	182	0	12	(s)	0	0	(s)	211	1
Venezuela	0	16	0	5	257	0	21	75	3	993	(s)	12	1,383	4
Virgin Islands	45,801	5	7	(s)	0	125	(s)	21	0	0	0	13	45,972	126
West Germany	0	147	2	0	1	0	17	209	31	956	12	60	1,435	4
Yugoslavia	0	0	0	0	0	0	(s)	2	0	321	1	1	324	1
Other	0	240	160	16	741	756	10	222	3	1,009	5	140	3,302	9
Total	**56,713**	**17,847**	**8,071**	**10,197**	**25,100**	**73,108**	**2,611**	**9,582**	**625**	**84,556**	**335**	**9,721**	**298,466**	**815**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,179	--	--	--	12,029	--	--	--	--	--	42,733	1,721	21,467	92,129
Tank Farms and Pipelines	--	--	1,331	--	--	--	57,936	--	--	--	--	--	92,557	8,839	33,115	193,778
Leases	--	--	49	--	--	--	1,611	--	--	--	--	--	16,606	1,231	1,720	21,217
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	559,515	0	0	559,515
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	23,235	23,235
Total	--	--	15,559	--	--	--	71,576	--	--	--	--	--	711,411	11,791	79,537	889,874
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,259	3,192	44,451	35,567	6,481	15,425	57,473	10,309	72,263	48,238	5,199	1,183	137,192	12,106	64,171	315,393
Bulk Terminal	--	--	99,552	--	--	--	71,083	--	--	--	--	--	68,172	3,133	26,355	268,295
Pipeline	--	--	28,088	--	--	--	34,685	--	--	--	--	--	42,301	2,463	5,437	112,974
Natural Gas Processing Plant	132	37	169	208	49	2,194	2,451	1,208	5,702	627	147	121	7,805	166	105	10,696
Total	--	--	172,260	--	--	--	165,692	--	--	--	--	--	255,470	17,868	96,068	707,358
Pentanes Plus																
Refinery	19	0	19	52	43	172	267	323	109	124	12	29	597	2	10	895
Bulk Terminal	--	--	22	--	--	--	1,248	--	--	--	--	--	1,394	0	6	2,670
Pipeline	--	--	0	--	--	--	404	--	--	--	--	--	855	77	0	1,336
Natural Gas Processing Plant	5	3	8	19	13	424	456	435	471	253	28	19	1,206	64	14	1,748
Total	--	--	49	--	--	--	2,375	--	--	--	--	--	4,052	143	30	6,649
Liquefied Petroleum Gases																
Refinery	1,223	13	1,236	2,078	188	481	2,747	1,728	2,722	3,109	27	29	7,615	308	816	12,722
Bulk Terminal	--	--	1,902	--	--	--	17,846	--	--	--	--	--	38,804	124	1,858	60,534
Pipeline	--	--	1,484	--	--	--	7,022	--	--	--	--	--	6,223	441	0	15,170
Natural Gas Processing Plant	127	34	161	189	36	1,770	1,995	742	5,231	371	118	102	6,564	102	91	8,913
Total	--	--	4,783	--	--	--	29,610	--	--	--	--	--	59,206	975	2,765	97,339
Ethane																
Refinery	20	0	20	1	0	0	1	62	470	0	0	0	532	0	0	553
Bulk Terminal	--	--	2	--	--	--	2,329	--	--	--	--	--	9,158	0	0	11,489
Pipeline	--	--	0	--	--	--	1,383	--	--	--	--	--	2,516	144	0	4,043
Natural Gas Processing Plant	0	0	0	17	0	462	479	70	1,188	3	21	24	1,306	2	0	1,787
Total	--	--	22	--	--	--	4,192	--	--	--	--	--	13,512	146	0	17,872

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	912	1	913	1,218	30	130	1,378	911	1,014	1,746	7	4	3,682	91	145	6,209
Bulk Terminal	--	--	1,472	--	--	--	11,267	--	--	--	--	--	19,628	123	476	32,966
Pipeline	--	--	1,364	--	--	--	3,748	--	--	--	--	--	2,653	174	0	7,939
Natural Gas Processing Plant	76	22	98	110	28	877	1,015	375	1,373	221	47	47	2,063	62	75	3,313
Total	--	--	3,847	--	--	--	17,408	--	--	--	--	--	28,026	450	696	50,427
Normal Butane																
Refinery	228	12	240	668	75	249	992	481	516	1,189	5	18	2,209	143	527	4,111
Bulk Terminal	--	--	426	--	--	--	3,066	--	--	--	--	--	7,383	1	1,165	12,041
Pipeline	--	--	120	--	--	--	1,344	--	--	--	--	--	721	80	0	2,265
Natural Gas Processing Plant	49	5	54	43	8	287	338	247	1,763	86	38	24	2,158	32	10	2,592
Total	--	--	840	--	--	--	5,740	--	--	--	--	--	12,471	256	1,702	21,009
Isobutane																
Refinery	63	0	63	191	83	102	376	274	722	174	15	7	1,192	74	144	1,849
Bulk Terminal	--	--	2	--	--	--	1,184	--	--	--	--	--	2,635	0	217	4,038
Pipeline	--	--	0	--	--	--	547	--	--	--	--	--	333	43	0	923
Natural Gas Processing Plant	2	7	9	19	0	144	163	50	907	61	12	7	1,037	6	6	1,221
Total	--	--	74	--	--	--	2,270	--	--	--	--	--	5,197	123	367	8,031
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	61	2	30	93	0	197	96	0	6	299	40	16	448
Total	--	--	0	--	--	--	93	--	--	--	--	--	299	40	16	448
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,742	210	3,952	2,248	102	1,125	3,475	687	8,425	4,231	205	30	13,578	400	4,155	25,560
Kerosene and Light Gas Oils	2,793	146	2,939	1,632	106	156	1,894	350	6,283	2,646	96	3	9,378	277	3,189	17,677
Heavy Gas Oils	4,021	279	4,300	4,241	206	1,404	5,851	588	8,113	6,336	446	133	15,616	748	12,168	38,683
Residuum	1,032	147	1,179	2,341	114	1,479	3,934	465	4,962	3,483	67	0	8,977	381	3,467	17,938
Total	11,588	782	12,370	10,462	528	4,164	15,154	2,090	27,783	16,696	814	166	47,549	1,806	22,979	99,858

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,514	149	4,663	4,583	672	1,728	6,983	1,382	6,472	5,543	132	257	13,786	2,292	8,774	36,498
Bulk Terminal	--	--	171	--	--	--	228	--	--	--	--	--	1,210	49	23	1,681
Pipeline	--	--	86	--	--	--	62	--	--	--	--	--	81	0	143	372
Total	--	--	4,920	--	--	--	7,273	--	--	--	--	--	15,077	2,341	8,940	38,551
Aviation Gasoline Blending Components																
Refinery	0	0	0	72	0	81	153	0	17	68	0	0	85	0	12	250
Total	--	--	0	--	--	--	153	--	--	--	--	--	85	0	12	250
Total Finished Motor Gasoline																
Refinery	7,916	447	8,363	5,859	931	2,992	9,782	1,958	10,034	5,816	958	161	18,927	2,218	10,132	49,422
Bulk Terminal	--	--	35,137	--	--	--	26,825	--	--	--	--	--	10,779	1,872	11,963	86,576
Pipeline	--	--	14,042	--	--	--	15,937	--	--	--	--	--	20,276	1,105	2,494	53,854
Total	--	--	57,542	--	--	--	52,544	--	--	--	--	--	49,982	5,195	24,589	189,852
Finished Leaded Motor Gasoline																
Refinery	852	136	988	1,291	321	1,280	2,892	542	1,588	1,345	107	77	3,659	956	2,819	11,314
Bulk Terminal	--	--	5,170	--	--	--	7,108	--	--	--	--	--	2,742	764	4,065	19,849
Pipeline	--	--	1,794	--	--	--	3,212	--	--	--	--	--	3,203	385	402	8,996
Total	--	--	7,952	--	--	--	13,212	--	--	--	--	--	9,604	2,105	7,286	40,159
Finished Unleaded Motor Gasoline																
Refinery	7,064	311	7,375	4,568	610	1,712	6,890	1,416	8,446	4,471	851	84	15,268	1,262	7,313	38,108
Bulk Terminal	--	--	29,967	--	--	--	19,717	--	--	--	--	--	8,037	1,108	7,898	66,727
Pipeline	--	--	12,248	--	--	--	12,725	--	--	--	--	--	17,073	720	2,092	44,858
Total	--	--	49,590	--	--	--	39,332	--	--	--	--	--	40,378	3,090	17,303	149,693
Finished Aviation Gasoline																
Refinery	74	0	74	77	3	10	90	76	326	217	0	0	619	35	286	1,104
Bulk Terminal	--	--	304	--	--	--	304	--	--	--	--	--	47	12	234	901
Pipeline	--	--	0	--	--	--	83	--	--	--	--	--	30	0	0	113
Total	--	--	378	--	--	--	477	--	--	--	--	--	696	47	520	2,118

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	445	0	445	290	29	180	499	283	321	466	115	129	1,314	301	806	3,365
Bulk Terminal	--	--	412	--	--	--	214	--	--	--	--	--	166	9	626	1,427
Pipeline	--	--	122	--	--	--	172	--	--	--	--	--	453	109	403	1,259
Total	--	--	979	--	--	--	885	--	--	--	--	--	1,933	419	1,835	6,051
Kerosene-Type Jet Fuel																
Refinery	1,818	16	1,834	1,308	166	421	1,895	372	3,168	2,510	34	29	6,113	336	3,937	14,115
Bulk Terminal	--	--	4,214	--	--	--	2,746	--	--	--	--	--	2,580	142	2,238	11,920
Pipeline	--	--	3,386	--	--	--	2,928	--	--	--	--	--	4,451	171	752	11,688
Total	--	--	9,434	--	--	--	7,569	--	--	--	--	--	13,144	649	6,927	37,723
Kerosene																
Refinery	218	83	301	445	71	327	843	56	507	333	67	0	963	26	173	2,306
Bulk Terminal	--	--	2,403	--	--	--	887	--	--	--	--	--	235	16	32	3,573
Pipeline	--	--	469	--	--	--	202	--	--	--	--	--	729	0	5	1,405
Total	--	--	3,173	--	--	--	1,932	--	--	--	--	--	1,927	42	210	7,284
Distillate Fuel Oils																
Refinery	7,247	437	7,684	4,797	1,092	2,602	8,491	831	7,428	4,881	957	121	14,218	1,424	5,433	37,250
Bulk Terminal	--	--	33,040	--	--	--	14,978	--	--	--	--	--	5,081	847	5,251	59,197
Pipeline	--	--	8,499	--	--	--	7,836	--	--	--	--	--	8,867	560	1,306	27,068
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2
Total	--	--	49,223	--	--	--	31,305	--	--	--	--	--	28,168	2,831	11,990	123,517
Residual Fuel Oils																
Refinery	2,451	69	2,520	1,853	365	150	2,368	176	3,679	2,658	87	4	6,604	663	5,518	17,673
Bulk Terminal	--	--	16,283	--	--	--	1,174	--	--	--	--	--	5,760	0	3,452	26,669
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	74	0	205	279
Total	--	--	18,803	--	--	--	3,542	--	--	--	--	--	12,438	663	9,175	44,621
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	372	0	372	176	0	97	273	65	793	216	59	7	1,140	7	169	1,961
Total	372	0	372	176	0	97	273	65	793	216	59	7	1,140	7	169	1,961
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	0	0	0	0	84	1,252	257	0	0	1,593	3	143	1,743
Total	4	0	4	0	0	0	0	84	1,252	257	0	0	1,593	3	143	1,743

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	515	53	568	170	0	109	279	83	1,172	38	169	0	1,462	7	154	2,470
Bulk Terminal	--	--	584	--	--	--	374	--	--	--	--	--	47	0	12	1,017
Total	--	--	1,152	--	--	--	653	--	--	--	--	--	1,509	7	166	3,487
Lubricants																
Refinery	296	799	1,095	927	0	424	1,351	27	4,105	1,318	600	0	6,050	69	910	9,475
Bulk Terminal	--	--	1,814	--	--	--	857	--	--	--	--	--	709	0	461	3,841
Total	--	--	2,909	--	--	--	2,208	--	--	--	--	--	6,759	69	1,371	13,316
Waxes																
Refinery	0	79	79	94	0	21	115	80	218	145	14	0	457	78	95	824
Total	--	--	79	--	--	--	115	--	--	--	--	--	457	78	95	824
Petroleum Coke																
Refinery	856	0	856	284	1,028	174	1,486	15	668	2,725	257	0	3,665	15	1,768	7,790
Total	856	0	856	284	1,028	174	1,486	15	668	2,725	257	0	3,665	15	1,768	7,790
Asphalt and Road Oil																
Refinery	1,593	225	1,818	1,775	1,345	1,240	4,360	631	928	771	897	245	3,472	2,418	1,876	13,944
Bulk Terminal	--	--	2,702	--	--	--	3,259	--	--	--	--	--	680	61	171	6,873
Total	--	--	4,520	--	--	--	7,619	--	--	--	--	--	4,152	2,479	2,047	20,817
Miscellaneous Products																
Refinery	110	40	150	204	18	22	244	49	364	251	0	0	664	58	164	1,280
Bulk Terminal	--	--	564	--	--	--	143	--	--	--	--	--	680	1	28	1,416
Pipeline	--	--	0	--	--	--	39	--	--	--	--	--	262	0	129	430
Natural Gas Processing Plant	0	0	0	0	0	0	0	31	0	1	1	0	33	0	0	33
Total	--	--	714	--	--	--	426	--	--	--	--	--	1,639	59	321	3,159
Total Stocks, All Oils	--	--	187,819	--	--	--	237,268	--	--	--	--	--	966,881	29,659	175,605	1,597,232

[1] Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, December 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**101,468**	**433,761**	**30,236**	**458,772**	**214,605**
Connecticut	4,453	13,576	2,841	31,835	4,145
Delaware, D.C., Maryland	3,230	22,787	2,232	33,448	18,677
Florida	12,838	63,108	2,066	24,228	13,549
Georgia	10,767	24,236	1,151	13,452	3,245
Maine, New Hampshire, Vermont	2,828	11,000	2,218	22,628	7,992
Massachusetts	2,624	22,069	990	29,414	15,964
New Jersey	14,646	102,334	1,333	118,326	82,485
New York	11,060	41,830	3,463	61,522	33,848
North Carolina	10,417	22,786	3,970	18,319	4,427
Pennsylvania	12,949	54,430	5,696	55,079	16,578
Rhode Island	1,933	6,949	w	11,614	w
South Carolina	5,655	14,996	1,931	9,791	w
Virginia	6,657	31,099	2,020	27,622	7,892
West Virginia	1,411	2,561	w	1,494	w
PAD District II Total	**124,389**	**313,809**	**20,401**	**261,155**	**40,354**
Illinois	23,499	61,412	3,780	47,648	15,708
Indiana	14,649	42,106	1,875	31,294	6,573
Iowa	6,444	12,498	w	13,122	w
Kansas, Nebraska	13,217	23,400	334	26,194	694
Kentucky	6,468	12,774	1,030	9,501	w
Michigan	11,112	36,130	1,830	23,138	1,981
Minnesota	6,761	15,590	w	21,780	2,152
Missouri	5,160	11,107	w	8,585	w
North Dakota, South Dakota	2,870	5,640	w	8,626	w
Ohio	10,101	40,538	6,336	24,751	3,467
Oklahoma	9,829	16,350	w	20,286	2,715
Tennessee	7,333	19,065	909	10,786	2,514
Wisconsin	6,946	17,199	w	15,444	1,216
PAD District III Total	**85,722**	**267,850**	**18,502**	**235,857**	**159,351**
Alabama	6,051	13,932	983	10,319	10,221
Arkansas	2,262	3,746	w	2,331	w
Louisiana	14,624	51,941	5,270	46,963	62,947
Mississippi	7,965	22,520	299	24,103	w
New Mexico	2,171	3,485	w	2,907	149
Texas	52,649	172,226	11,881	149,234	83,435
PAD District IV Total	**19,140**	**25,288**	**734**	**27,949**	**5,839**
Colorado	4,456	8,103	w	5,390	w
Idaho	1,694	2,322	w	2,200	w
Montana	6,130	5,967	w	7,808	1,054
Utah	2,568	3,360	w	4,706	1,465
Wyoming	4,292	5,536	w	7,845	w
PAD District V Total	**76,742**	**162,466**	**2,889**	**123,754**	**98,279**
Alaska	3,309	5,283	w	13,004	w
Arizona	3,447	5,951	w	2,886	w
California	42,412	107,384	1,636	70,094	60,458
Hawaii	1,126	6,226	w	5,694	w
Nevada	1,314	2,736	w	1,691	w
Oregon	8,142	9,664	w	9,877	3,311
Washington	16,992	25,222	w	20,508	15,979
U.S. Total	**407,461**	**1,203,174**	**72,762**	**1,107,487**	**518,428**

Table 20. Movements of Crude Oil and Petroleum Products by Refining Districts, 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**38**	**0**	**0**	**1,581**	**29,489**	**8,315**	**0**	**5,629**	**547,189**	**0**	**0**	**64,138**	**28,868**	**0**	**14,834**	**0**	**194,881**	**0**
Petroleum Products	**86,102**	**3,004**	**0**	**47,727**	**64,063**	**21,725**	**0**	**950,488**	**319,012**	**0**	**23,077**	**15,825**	**17,199**	**17,029**	**0**	**0**	**434**	**0**
Pentanes Plus	0	0	0	0	2,372	0	0	0	8,061	0	0	733	1,528	0	0	0	0	0
Liquefied Petroleum Gases	9	0	0	9,360	30,180	1,164	0	24,910	42,335	0	0	6,240	15,671	0	0	0	0	0
Unfinished Oils	4	0	0	0	348	0	0	2,122	1,194	0	850	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	301	851	0	1,555	151	0	0	1,147	488	0	124	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	57,856	0	0	23,462	17,630	11,377	0	529,303	164,442	0	12,100	5,309	0	11,129	0	0	0	0
Finished Leaded Motor Gasoline	11,946	0	0	3,413	4,412	2,393	0	75,398	31,922	0	3,449	2,086	0	4,637	0	0	0	0
Finished Unleaded Motor Gasoline	45,910	0	0	20,049	13,218	8,984	0	453,905	132,520	0	8,651	3,223	0	6,492	0	0	0	0
Finished Aviation Gasoline	80	0	0	0	35	191	0	1,933	1,333	0	69	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	904	0	0	5,715	13	0	3,178	601	0	1,100	0	0	0	0
Kerosene-Type Jet Fuel	3,603	0	0	2,604	1,851	6,650	0	124,148	37,857	0	1,719	47	0	1,017	0	0	0	0
Kerosene	476	0	0	454	1,638	0	0	6,334	155	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	22,983	0	0	6,772	5,213	2,343	0	227,654	52,990	0	4,555	2,895	0	3,783	0	0	0	0
Residual Fuel Oil	23	0	0	252	3,112	0	0	6,930	531	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	694	133	0	573	95	0	0	185	761	0	0	0	0	0	0	0	0	0
Special Naphthas	1	33	0	0	13	0	0	3,248	1,606	0	0	0	0	0	0	0	403	0
Lubricants	62	921	0	1,095	416	0	0	11,562	4,399	0	482	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	59	10	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	814	0	1,556	0	0	0	4,358	2,834	0	0	0	0	0	0	0	0	0
Miscellaneous Products	10	252	0	44	105	0	0	880	3	0	0	0	0	0	0	0	31	0
Total	**86,140**	**3,004**	**0**	**49,308**	**93,552**	**30,040**	**0**	**956,117**	**866,201**	**0**	**23,077**	**79,963**	**46,067**	**17,029**	**14,834**	**0**	**195,315**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**129**	**29,489**	**8,315**	**0**	**547,189**	**0**	**0**	**64,138**	**28,868**	**0**	**37,536**	**0**
Petroleum Products	**84,495**	**0**	**26,702**	**59,491**	**21,725**	**762,281**	**269,125**	**0**	**21,064**	**15,825**	**17,199**	**17,029**	**0**	**0**
Pentanes Plus	0	0	0	2,372	0	0	8,061	0	0	733	1,528	0	0	0
Liquefied Petroleum Gases	0	0	9,360	30,126	1,164	22,037	42,206	0	0	6,240	15,671	0	0	0
Blending Components														
Motor Gasoline	0	0	1,535	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	57,677	0	12,173	17,533	11,377	433,009	141,602	0	11,612	5,309	0	11,129	0	0
Finished Leaded Motor Gasoline	11,824	0	1,268	4,412	2,393	62,262	26,948	0	3,316	2,086	0	4,637	0	0
Finished Unleaded Motor Gasoline	45,853	0	10,905	13,121	8,984	370,747	114,654	0	8,296	3,223	0	6,492	0	0
Finished Aviation Gasoline	80	0	0	0	191	446	1,159	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	904	0	2,615	13	0	3,178	601	0	1,100	0	0
Kerosene-Type Jet Fuel	3,603	0	1,529	1,730	6,650	103,053	34,154	0	1,719	47	0	1,017	0	0
Kerosene	470	0	10	1,508	0	5,792	0	0	0	0	0	0	0	0
Distillate Fuel Oil	22,665	0	2,095	5,213	2,343	195,329	41,930	0	4,555	2,895	0	3,783	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	105	0	0	0	0	0	0	0	0	0	0
Total	**84,495**	**0**	**26,831**	**88,980**	**30,040**	**762,281**	**816,314**	**0**	**21,064**	**79,963**	**46,067**	**17,029**	**37,536**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**38**	**0**	**0**	**1,452**	**0**	**0**	**5,629**	**0**	**5,629**	**0**	**0**	**0**	**14,834**	**0**	**157,345**
Petroleum Products	**1,607**	**3,004**	**0**	**21,025**	**4,572**	**0**	**188,207**	**4,307**	**25,792**	**158,108**	**49,887**	**2,013**	**0**	**0**	**434**
Liquefied Petroleum Gases	9	0	0	0	54	0	2,873	0	0	2,873	129	0	0	0	0
Unfinished Oils	4	0	0	0	348	0	2,122	0	480	1,642	1,194	850	0	0	0
Motor Gasoline Blending Components	301	851	0	20	151	0	1,147	0	1,087	60	488	124	0	0	0
Finished Motor Gasoline	179	0	0	11,289	97	0	96,294	191	1,391	94,712	22,840	488	0	0	0
Finished Leaded Motor Gasoline	122	0	0	2,145	0	0	13,136	73	285	12,778	4,974	133	0	0	0
Finished Unleaded Motor Gasoline	57	0	0	9,144	97	0	83,158	118	1,106	81,934	17,866	355	0	0	0
Finished Aviation Gasoline	0	0	0	0	35	0	1,487	77	714	696	174	69	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	3,100	0	210	2,890	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	1,075	121	0	21,095	205	2,431	18,459	3,703	0	0	0	0
Kerosene	6	0	0	444	130	0	542	11	243	288	155	0	0	0	0
Distillate Fuel Oil	318	0	0	4,677	0	0	32,325	3,400	8,192	20,733	11,060	0	0	0	0
Residual Fuel Oil	23	0	0	252	3,112	0	6,930	423	3,560	2,947	531	0	0	0	0
Petrochemical Feedstocks[1]	694	133	0	573	95	0	185	0	114	71	761	0	0	0	0
Special Naphthas	1	33	0	0	13	0	3,248	0	1,285	1,963	1,606	0	0	0	0
Lubricants	62	921	0	1,095	416	0	11,562	0	5,289	6,273	4,399	482	0	0	403
Waxes	0	0	0	0	0	0	59	0	47	12	10	0	0	0	0
Asphalt and Road Oil	0	814	0	1,556	0	0	4,358	0	119	4,239	2,834	0	0	0	0
Miscellaneous Products	10	252	0	44	0	0	880	0	630	250	3	0	0	0	31
Total	**1,645**	**3,004**	**0**	**22,477**	**4,572**	**0**	**193,836**	**4,307**	**31,421**	**158,108**	**49,887**	**2,013**	**14,834**	**0**	**157,779**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**22,044**	**38**	**22,006**	**611,365**	**39,385**	**571,980**	**253,238**	**552,818**	**-299,580**	**8,315**	**93,006**	**-84,691**	**0**	**209,715**	**-209,715**
Petroleum Products	**998,215**	**89,106**	**909,109**	**420,939**	**133,515**	**287,424**	**84,700**	**1,292,577**	**-1,207,877**	**21,725**	**50,053**	**-28,328**	**40,106**	**434**	**39,672**
Pentanes Plus	0	0	0	8,794	2,372	6,422	3,900	8,061	-4,161	0	2,261	-2,261	0	0	0
Liquefied Petroleum Gases	34,270	9	34,261	48,584	40,704	7,880	45,851	67,245	-21,394	1,164	21,911	-20,747	0	0	0
Unfinished Oils	2,122	4	2,118	1,198	348	850	348	4,166	-3,818	0	0	0	850	0	850
Blending Components															
Motor Gasoline	2,702	1,152	1,550	789	1,706	-917	1,002	1,759	-757	0	0	0	124	0	124
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	552,765	57,856	494,909	227,607	52,469	175,138	17,630	705,845	-688,215	11,377	16,438	-5,061	23,229	0	23,229
Finished Leaded Motor Gasoline	78,811	11,946	66,865	45,954	10,218	35,736	4,412	110,769	-106,357	2,393	6,723	-4,330	8,086	0	8,086
Finished Unleaded Motor Gasoline	473,954	45,910	428,044	181,653	42,251	139,402	13,218	595,076	-581,858	8,984	9,715	-731	15,143	0	15,143
Finished Aviation Gasoline	1,933	80	1,853	1,413	226	1,187	35	3,335	-3,300	191	0	191	69	0	69
Naphtha-Type Jet Fuel	5,715	0	5,715	614	904	-290	904	8,906	-8,002	0	1,701	-1,701	4,278	0	4,278
Kerosene-Type Jet Fuel	126,752	3,603	123,149	41,507	11,105	30,402	1,851	163,724	-161,873	6,650	1,064	5,586	2,736	0	2,736
Kerosene	6,788	476	6,312	631	2,092	-1,461	1,638	6,489	-4,851	0	0	0	0	0	0
Distillate Fuel Oil	234,426	22,983	211,443	78,868	14,328	64,540	5,213	285,199	-279,986	2,343	6,678	-4,335	8,338	0	8,338
Residual Fuel Oil	7,182	23	7,159	554	3,364	-2,810	3,112	7,461	-4,349	0	0	0	0	0	0
Petrochemical Feedstocks[1]	758	827	-69	1,455	668	787	228	946	-718	0	0	0	0	0	0
Special Naphthas	3,248	34	3,214	1,607	13	1,594	46	4,854	-4,808	0	0	0	0	0	0
Lubricants	12,657	983	11,674	4,461	1,511	2,950	1,740	16,443	-14,703	0	0	0	482	403	79
Waxes	59	0	59	10	0	10	0	69	-69	0	0	0	0	0	0
Asphalt and Road Oil	5,914	814	5,100	2,834	1,556	1,278	814	7,192	-6,378	0	0	0	0	0	0
Miscellaneous Products	924	262	662	13	149	-136	388	883	-495	0	0	0	0	31	-31
Total	**1,020,259**	**89,144**	**931,115**	**1,032,304**	**172,900**	**859,404**	**337,938**	**1,845,395**	**-1,507,457**	**30,040**	**143,059**	**-113,019**	**40,106**	**210,149**	**-170,043**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**51,648**	**940**	**52,588**	**21,103**	**3,190**	**1,910**	**26,203**	**2,943**	**65,106**	**46,236**	**3,399**	**153**	**117,837**	**4,011**	**138,095**	**338,734**
0.00 to 0.30% Sulfur	11,189	180	11,369	579	0	0	579	971	707	8,562	851	61	11,152	746	12,390	36,236
0.31 to 1.00% Sulfur	29,707	291	29,998	4,211	22	985	5,218	705	10,330	5,244	1,928	92	18,299	354	17,809	71,678
Greater Than 1.00% Sulfur	10,752	469	11,221	16,313	3,168	925	20,406	1,267	54,069	32,430	620	0	88,386	2,911	107,896	230,820

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, December 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	238	43	281	28	0	0	28	58	72	807	3	3	943	99	622	1,973
Bulk Terminal	--	--	3,576	--	--	--	340	--	--	--	--	--	4	0	0	3,920
Total	**--**	**--**	**3,857**	**--**	**--**	**--**	**368**	**--**	**--**	**--**	**--**	**--**	**947**	**99**	**622**	**5,893**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,431	26	1,457	394	0	60	454	18	653	186	34	1	892	280	932	4,015
Bulk Terminal	--	--	5,613	--	--	--	223	--	--	--	--	--	2,597	0	1,042	9,475
Total	**--**	**--**	**7,070**	**--**	**--**	**--**	**677**	**--**	**--**	**--**	**--**	**--**	**3,489**	**280**	**1,974**	**13,490**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	782	0	782	1,431	365	90	1,886	100	2,954	1,665	50	0	4,769	284	3,964	11,685
Bulk Terminal	--	--	7,094	--	--	--	611	--	--	--	--	--	3,159	0	2,410	13,274
Total	**--**	**--**	**7,876**	**--**	**--**	**--**	**2,497**	**--**	**--**	**--**	**--**	**--**	**7,928**	**284**	**6,374**	**24,959**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**23**	**0**	**0**	**252**	**3,112**	**0**	**6,930**	**423**	**3,560**	**2,947**	**531**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	2,328	223	1,181	924	34	0	0	0	0
Greater Than 1.00% Sulfur	23	0	0	252	3,112	0	4,602	200	2,379	2,023	497	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, 1988
(Thousand Barrels)

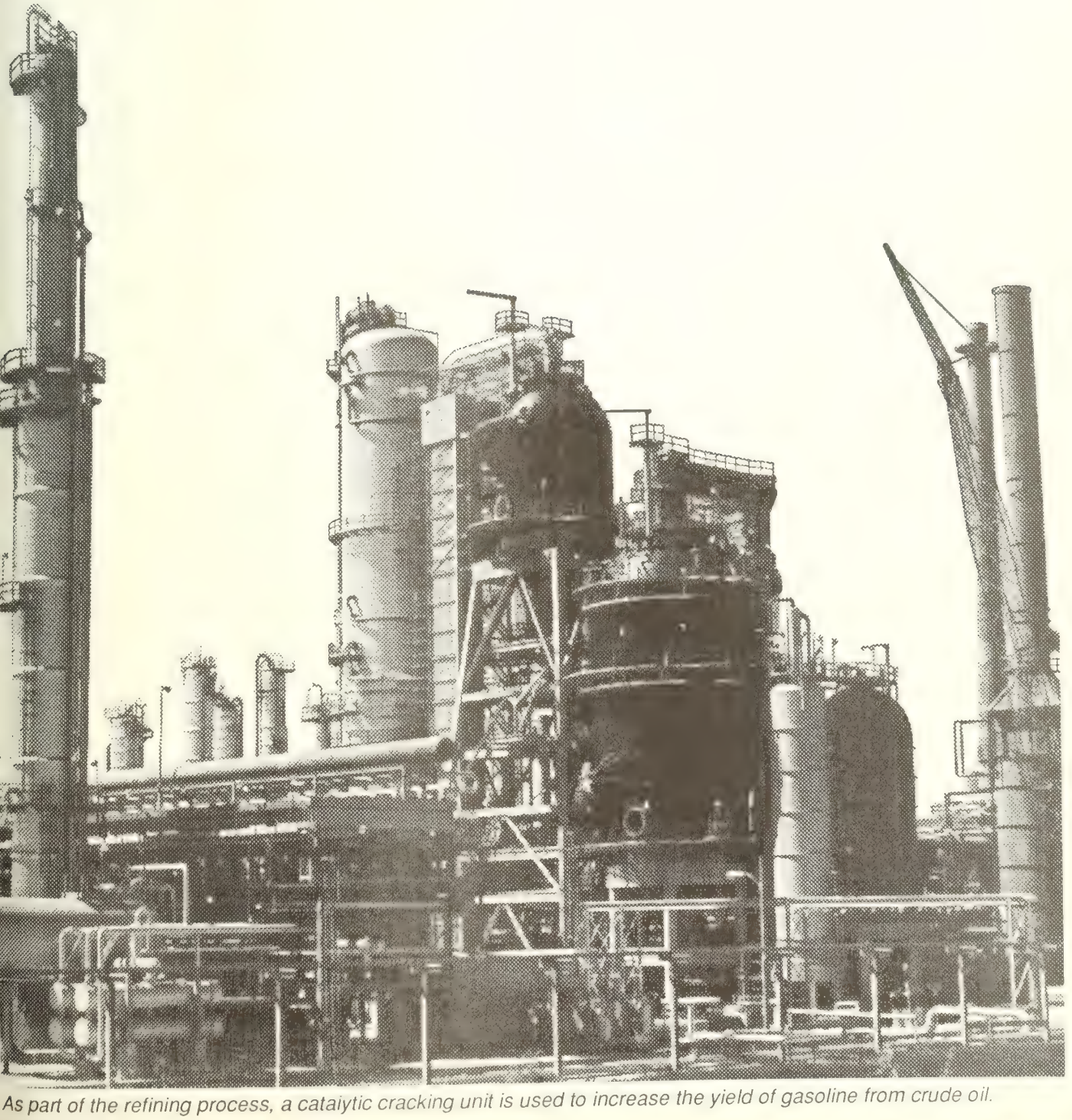
Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	21,678	132	396	22,206
Iraq	0	0	0	0
Kuwait	0	0	130	130
Libya	0	0	0	0
Qatar	0	0	0	0
Saudi Arabia	0	0	522	522
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	21,678	132	1,048	22,858
Other OPEC				
Ecuador	359	0	4,715	5,074
Gabon	0	0	323	323
Indonesia	4,928	144	14	5,086
Iran	0	0	0	0
Nigeria	777	2,296	144	3,217
Venezuela	2,243	984	33,152	36,379
Subtotal Other OPEC	8,307	3,424	38,348	50,079
Other				
Angola	3,120	0	0	3,120
Australia	0	1,146	0	1,146
Bahamas	227	3,478	7,171	10,876
Bolivia	0	0	0	0
Brazil	5,013	1,494	2	6,509
Brunei	0	0	0	0
Canada	2,275	4,146	8,421	14,842
China, People's Republic	0	0	0	0
Congo	977	121	0	1,098
Egypt	0	350	0	350
France	0	1,267	1,014	2,281
Ghana	298	0	137	435
Liberia	0	0	0	0
Malaysia	126	0	0	126
Mexico	0	4	6,358	6,362
Netherlands	1,068	1,219	610	2,897
Netherlands Antilles	352	4,278	5,091	9,721
Norway	0	894	0	894
Oman	0	0	0	0
Peru	93	1,542	8,701	10,336
Puerto Rico	0	0	0	0
Romania	0	0	1,494	1,494
Spain	216	1,031	1,927	3,174
Syria	0	0	352	352
Trinidad	0	281	6,587	6,868
Tunisia	0	392	0	392
United Kingdom	656	6,865	1,721	9,242
Virgin Islands	8,054	4,943	15,920	28,917
Yugoslavia	0	0	0	0
Zaire	0	144	0	144
Other Western Hemisphere	1,310	2,241	9,443	12,994
Other Eastern Hemisphere	11,729	11,393	5,231	28,353
Subtotal Other	35,514	47,229	80,180	162,923
Total Imports	**65,499**	**50,785**	**119,576**	**235,860**

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**51,554**	**48,620**	**112,200**	**212,374**
Connecticut	0	1,996	556	2,552
Delaware	0	0	493	493
Florida	0	3,620	9,274	12,894
Georgia	0	0	1,141	1,141
Maine	291	1,978	7,998	10,267
Maryland	749	3,381	5,631	9,761
Massachusetts	709	9,295	21,744	31,748
New Hampshire	1,206	0	1,778	2,984
New Jersey	12,724	7,899	15,417	36,040
New York	34,105	12,913	24,505	71,523
North Carolina	136	0	5,777	5,913
Pennsylvania	1,297	4,633	6,477	12,407
Rhode Island	0	1,987	84	2,071
South Carolina	21	27	2,876	2,924
Vermont	0	0	76	76
Virginia	316	891	8,373	9,580
PAD District II	**1,055**	**1**	**817**	**1,873**
Illinois	62	0	107	169
Indiana	62	0	0	62
Michigan	931	1	130	1,062
Minnesota	0	0	52	52
North Dakota	0	0	399	399
Ohio	0	0	78	78
Wisconsin	0	0	51	51
PAD District III	**2,760**	**594**	**5,200**	**8,554**
Alabama	0	0	2,482	2,482
Louisiana	0	0	1,360	1,360
Texas	2,760	594	1,358	4,712
PAD District IV	**0**	**0**	**7**	**7**
Idaho	0	0	5	5
Montana	0	0	2	2
PAD District V	**10,130**	**1,570**	**1,352**	**13,052**
California	7,468	953	1,275	9,696
Hawaii	2,662	205	0	2,867
Oregon	0	73	0	73
Washington	0	339	77	416
All PAD Districts	**65,499**	**50,785**	**119,576**	**235,860**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Refinery Capacity



As part of the refining process, a catalytic cracking unit is used to increase the yield of gasoline from crude oil.

U.S. Refinery Activity - 1988

by Nancy Masterson

Introduction

As of January 1, 1989, U.S. operable crude oil distillation capacity declined to 15.7 million barrels per calendar day, 1.6 percent below the January 1, 1988 level (Table FE1). Concurrently, the number of refineries in operation decreased to 204, as 11 refineries were shut down (complete cessation of operations) in 1988 and 2 were reactivated.

While operable crude oil distillation capacity decreased, most downstream processes associated with gasoline production showed increases in capacities as of January 1, 1989. The exceptions were thermal cracking, which decreased 0.4 percent, and catalytic cracking (fresh and recycled) which declined by 2.7 percent from the January 1, 1988 level. This decrease in catalytic cracking is due almost entirely to two events. First, the shutdown of Shell Oil Company's Norco, Louisiana 100,000-barrel-per-stream-day unit which was severely damaged by fire in May 1988. The fire significantly reduced gasoline production at the site for two months. Shell does not expect this unit to be fully operational until 1991. Second, Unocal Corporation permanently shut down a 43,000-barrel-per-stream-day unit at their Nederland, Texas plant.

Table FE1. Number and Capacity of Operable Crude Oil Distillation Units at Petroleum Refineries as of January 1

Year	Number	Capacity (thousand barrels per calendar day)
1981	324	18,621
1982	301	17,890
1983	258	16,859
1984	247	16,137
1985	223	15,659
1986	216	15,459
1987[1]	219	15,566
1988	213	15,915
1989	204	15,655

[1] Beginning in 1987, the Hawaiian Independent Refinery (66,000 barrels per calendar day distillation capacity) is included in U.S. totals.

Source: Energy Information Administration, Form EIA-820, "Annual Refinery Report."

Total petroleum production at refineries during 1988 was 15.0 million barrels per day, the highest level reached since the 1980 level of 15.8 million barrels per day. Because of strong demand for motor gasoline, refiners boosted production during 1988 to 7.0 million barrels per day, 1.7 percent above the 1987 level.

Extreme weather conditions during 1988 adversely affected operations at some refineries along the Gulf Coast. Low water levels resulting from the prolonged drought of last summer affected refineries located along the lower Mississippi River south of New Orleans, Louisiana. Increasing salinity, the result of salt water from the Gulf of Mexico pushing north against the diminishing flow of the Mississippi River, threatened to hamper operations at those refineries. Several refiners resorted to barging in fresh water for use in their boilers, but most used river water for cooling.

In addition, in September, Hurricane Gilbert threatened 493,200 barrels per day of crude oil distillation capacity at five oil refineries in Corpus Christi, Texas which shut down or reduced their operations in anticipation of the storm.

Crude Oil Capacity and Utilization Rates

During 1988, crude oil distillation capacity averaged 15.9 million barrels per day. Strong growth in total petroleum demand (an average of 17.3 million barrels per day in 1988), coupled with falling crude oil prices, pushed the total U.S. refinery utilization rates for operable capacity to 84.4 percent, compared with 83.1 percent in 1987. The 1988 rate is the highest level since the 87.4 percent rate of 1978.[1] However,

[1] Energy Information Administration, *Annual Energy Review*, DOE/EIA-0384(87), Table 54.

Note: Unless otherwise indicated, data in this article were taken from the Summary Statistics section and Refinery Capacity section of this report, *Petroleum Supply Annual*, DOE/EIA-0340(88) Volumes 1 and 2 and predecessor reports.

For definitions of technical terms used in this article, see Glossary.

Oil-Producing Nations Invest in U.S. Refineries

During 1988 several U.S. refiners formed joint ventures with foreign oil-producing countries. There are several reasons a refiner/marketer would be interested in such joint ventures including obtaining a secure source of supply from the producing country, divesting unprofitable operations, helping solve cash flow problems, providing cash to modernize their plants, and stabilizing the type of crude oil coming to the plants. On the other hand, the oil exporting country has several reasons to buy into a refining/marketing operation: among them are that it provides a method to secure a market outlet and a chance to benefit from technology transfer.

One of the biggest joint ventures in the United States took place in November 1988 between Saudi Arabia and Texaco U.S.A. Saudi Arabia bought a 50 percent interest in three of Texaco's coastal refineries: Delaware City, Delaware; Port Arthur, Texas; and Convent, Louisiana. These refineries are now operating independently from Texaco under the name of Star Enterprise, and the combined capacity for these three plants, as of January 1, 1989, is 615,000 barrels per calendar day. These three refineries are designed specifically to handle Middle East crude oil, and this venture should provide secure access to Saudi Arabian crude oil at competitive prices.

As of December 1988, Petroleos de Venezuela owns 100 percent of the Champlin refinery in Corpus Christi, Texas. The capacity of this refinery as of January 1, 1989 was 130,000 barrels per calendar day. Petroleos de Venezuela also owns 50 percent of Citgo Petroleum Corporation's 305,000 barrel per day refinery in Lake Charles, Louisiana and in December 1988, signed an agreement to purchase 50 percent of Unocal's 147,000 barrel per day Lemont, Illinois refinery.

In addition, Pacific Refining Company sold 50 percent of its 55,000 barrel per day Hercules, California refinery to China's state-owned China National Chemical Import/Export Corporation (Sinochem). This joint-venture gave China its first investment in U.S. refining/marketing operations.

some operable capacity remained completely idle (refineries that did not report any inputs or production) during both 1987 and 1988. In 1987, 137,000 barrels per calendar day of crude oil distillation capacity remained completely idle throughout the year, and in 1988, this number increased to 347,000 barrels per calendar day. Omitting completely idle capacity, refinery utilization rates reached 86.3 percent in 1988, compared with 83.9 percent during 1987. The increased utilization rate during 1988 was primarily the result of a 3.4-percent increase in gross inputs to crude oil distillation units which reached a level of 13.4 million barrels per day in 1988 (Figure FE1).

Refinery utilization rates should continue to rise during 1989 if gross inputs to crude units continue the sustained growth that began in 1986 and crude oil distillation capacity does not drop below the level on January 1, 1989. According to responses to the 1989 Form EIA-820, "Annual Refinery Report," total crude oil distillation capacity was 15.7 million barrels per calendar day as of January 1, 1989, 1.6 percent below the level of January 1, 1988. This decrease occurred for two reasons. First, during 1988, 11 U.S. refineries were shut down and 2 refineries were reactivated (Table FE2). The net effect of the closings and reactivations was the reduction of operable crude oil distillation capacity by approximately 67,000 barrels per calendar day. (Two additional closings occurred in Puerto Rico and Guam; however, the capacity data are not included in U.S. totals.) Second, several operating refineries either downgraded their crude oil distillation capa ity or permanently shut down capacity that had been listed idle for the last few years, resulting in a further decrease approximately 194,000 barrels per calendar day.

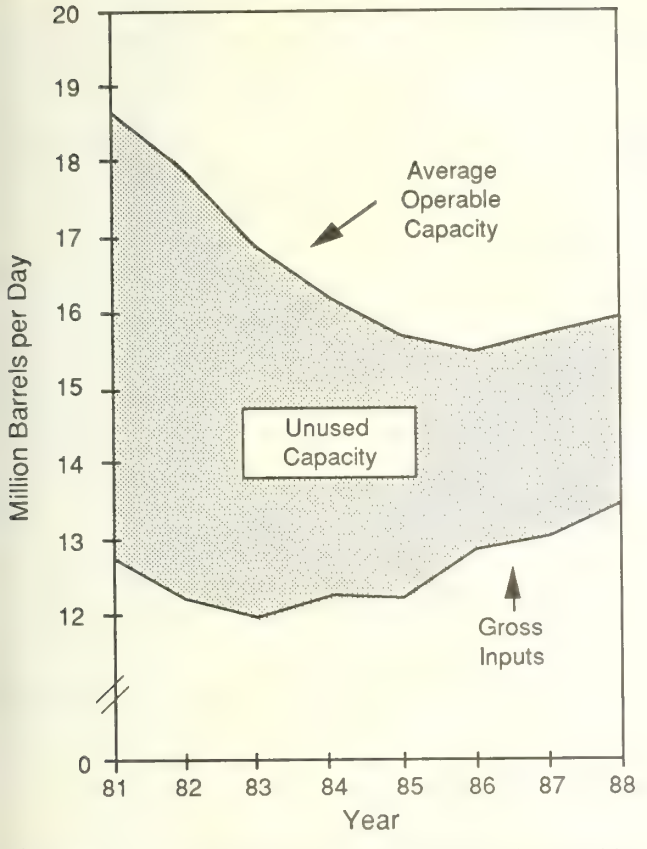
For example, Chevron U.S.A. performed major streamlini activities at several plants, reducing their total operable capa ity by 242,000 barrels per calendar day. Most of this capaci had been idle for a year or more. The largest reductio ocurred at Chevron's Richmond, California refinery whi permanently shut down 80,000 barrels per calendar day crude oil capacity and at the Port Arthur, Texas and Segundo, California plants, which shut down 78,000 a 75,000 barrels per calendar day of crude oil capacity, respe tively.

Downstream Processing

During 1988, refiners upgraded the capacities of certa downsteam processing units to meet the increasing dema for high octane gasoline. Premium unleaded gasoline a counted for 23.1 percent of the domestic gasoline mark during the summer of 1988 (June through August) compare to 18.8 percent of the market during the summer of 198

[2] Energy Information Administration, *Petroleum Marketing Monthly*, DOE/EIA-0380(88/06), (88/07), (88/08), and (88/09), Table 41.

igure FE1. Inputs and Average Operable Capacity 1981 - 1988[1]



[1] Capacities are the average of reported monthly operable capacities.

Sources: For 1981 through 1986, Energy Information Administration, *Annual Energy Review 1987*, Table 54. For 1987 and 1988, *Petroleum Supply Annual 1987* and *1988*.

Premium unleaded gasoline requires more extensive treatment by complex refinery processes than does regular unleaded gasoline. These motor gasoline-producing processes include thermal cracking (particularly delayed and fluid coking), catalytic cracking, catalytic hydrocracking, catalytic reforming, isomerization, and alkylation.

Thermal cracking is a process used to increase the yield of lighter products and to make petroleum coke. Fluid and delayed coking are thermal cracking processes used to break down heavy crudes and residual oils into a mixture of lighter oils and petroleum coke. Coking generally produces a significant gain in the volume of lighter oils produced compared to the volume of crude oil input to the coker. Charge capacity for fluid and delayed coking averaged 1.5 million barrels per stream day during 1988, an increase of 1.7 percent from the 1987 level (Table FE3). In addition, average fresh feed inputs to cokers increased 7.8 percent above the 1987 level, rendering an average utilization rate of 90.0 percent during 1988, compared with 84.9 percent in 1987.

The catalytic cracking process converts heavy gas oils into high octane gasoline and other light distillates. Catalytic cracking produces an 18-percent average gain in product volume.[3] The gasoline produced through catalytic cracking has higher octane ratings than gasoline produced using distillation or thermal cracking. The average charge capacity at refineries for catalytic cracking (fresh only) during 1988 rose to almost 5.4 million barrels per stream day, compared to the 1987 average level of 5.3 million barrels per stream day (Table FE3). Fresh feed input to these units increased from an average of 4.4 million barrels per stream day in 1987 to 4.5 million barrels per stream day in 1988. The average utilization rate for this process during 1988 was 84.0 percent, compared with 81.9 percent in 1987.

Catalytic hydrocracking is a process which uses hydrogen and a platinum-based catalyst to reduce heavy gas oils into gasoline, jet fuels, and diesel fuels. Because it can swing the refinery yields between these products, the hydrocracker is a pivotal unit in a complex refinery. This process produces no bottom-of-the-barrel leftovers, such as coke, pitch, or residuum. The output is all light oils. Hydrocracking is more effective than catalytic cracking in converting previously cracked gas oils to lighter products (hydrocracking produces a 25-percent average gain in product volume).[4] The average utilization rate for hydrocrackers dropped to 76.3 percent in 1988, down from 79.1 percent during the previous year, as fresh feed inputs to these units dropped by 1.6 percent from 1987, and their average capacity level grew by 2.0 percent (Table FE3).

Catalytic reforming is an important process for upgrading low octane naphthas to a high octane blending component (reformate). As the octane number of the reformate goes up, the percentage volume (yield) of reformate goes down. This is because, to obtain higher octane gasoline, the reformer is operated at extremely high temperatures, resulting in a greater volume of gas components as opposed to liquids. Thus, production of premium unleaded gasoline requires greater supplies of low octane naphthas, and consequently greater supplies of crude oil, than does production of regular unleaded gasoline. Charge capacity for catalytic reforming increased to 3.9 million barrels per stream day as of January 1, 1989, 0.5 percent above the previous year's level (Table FE4).

Isomerization is a process used to increase the octane number of the light gasoline components, normal pentane and normal hexane, which are abundant in light straight run gasoline. Alkylation is a reaction process that combines the olefins, propylene and butylene, with isobutane to form alkylate, a high octane compound in the gasoline range. Isomerization production capacity rose 0.9 percent during 1988 to a level of 468,723 barrels per stream day as of January 1, 1989. Alkylation production capacity was 1.0 million barrels per stream day as of January 1, 1989, 2.2 percent higher than for the previous year (Table FE4).

[3] William L. Leffler, *Petroleum Refining for the Non-Technical Person*, PennWell Publishing Company, Tulsa, Oklahoma, 1985, p. 45.
[4] William L. Leffler, *Petroleum Refining for the Non-Technical Person*, p. 83.

Table FE2. Refinery Closings and Reactivations During 1988

Refinery	Location	Crude Oil Distillation Capacity (barrels per calendar day)	Downstream Capacity (barrels per stream day)	Operating History (years in operation
Closings:				
Amber Refining Inc.	Fort Worth, Texas	19,700	17,700	40 +
Flying J. Petroleum Inc.	Cutbank, Montana	5,600	7,700	40 +
GAMXX Energy Inc.	Theodore, Alabama	27,000	10,000	1
Kentucky Oil & Refining	Betsy Layne, Kentucky	600	0	39
Liquid Energy Corp.	Bridgeport, Texas	10,000	0	9
Motor Oils Refining	McCook, Illinois	1,500	1,200	6
Mountaineer Refining Co., Inc.	LaBarge, Wyoming	350	0	16
OGC Corp.	Egan, Louisiana	5,000	0	2
Seminole Refining Corp.	St. Marks, Florida	17,000	11,390	33
Texas NAPCO Inc.	St. James, Louisiana	17,000	20,000	20
West Coast Oil Co.	Oildale, California	5,000	0	40 +
Total U.S. Closings		**108,750**	**67,990**	
Additional Closings:				
Caribbean Gulf Refining Corp.	San Juan, Puerto Rico	36,000	57,800	NA
Guam Oil & Refining Co.	Agana, Guam	43,900	1,400	NA
Reactivations:				
American International Refining Inc.	Lake Charles, Louisiana	27,000	21,600	
Western Slope Refining Co.	Fruita, Colorado	15,200	27,100	
Total Reactivations		**42,200**	**48,700**	

NA=Not available.
Source: Energy Information Administration, Form EIA-820, "Annual Refinery Report".

An examination of motor gasoline-producing downstream units since 1981 reveals that capacities for some of these processes have increased substantially despite the number of refinery closings during this period. For example, although the number of operating refineries dropped from a historic high of 324 on January 1, 1981, to 204 on January 1, 1989, fluid and delayed coking capacity grew by 48.5 percent and catalytic hydrocracking capacity grew by 36.2 percent during that time period (Table FE4). On January 1, 1989, fluid and delayed coking capacity was 1.5 million barrels per stream day, about the same level as on January 1, 1988, while total charge capacity for catalytic hydrocracking increased 3.0 percent from January 1, 1988, to January 1, 1989.

Catalytic cracking capacity (fresh and recycled) dropped between 1981 and 1986 due primarily to the permanent shutdown of more than 100 refineries during that period, but rose in 1987 and 1988 before dropping again on January 1, 1989. The charge capacity at refineries for catalytic cracking decreased to 5.7 million barrels per stream day as of January 1, 1989, 2.7 percent below the January 1, 1988, level (Table FE4). This decrease is due almost entirely to the shutdown of two units. First, an explosion in Shell Oil's Norco, Louisiana catalytic cracker shut down 100,000 barrels per stream day capacity. Shell does not expect this unit to be fully operatio until 1991. Second, Unocal Corporation began downgradi its Nederland, Texas refinery in September 1988. The dow grading includes permanent shutdown of their 43,000-b rels-per-stream-day catalytic cracking unit and phasing fuels production. This refinery will concentrate on produci lubricating oils, aromatics, and solvents.

Catalytic reforming charge capacity also dropped betwe 1981 and 1986 and then began increasing in 1987 (Table FE Catalytic reforming charge capacity was 4.1 million barr per stream day on January 1, 1981, compared with 3.9 milli barrels per stream day on January 1, 1989.

Production capacity for isomerization, a process designed raise the octane level of gasoline, more than tripled betwe 1981 and 1989 (Table FE4). This process experienced a 59 percent increase in production capacity between 1981 a 1982. Production capacity levels dropped slightly in 1983 a 1984 but began climbing again in 1985 and have sho substantial increases every year since then. The most rec growth in isomerization capacity occurred not only because

Table FE3. Refinery Inputs, Capacity, and Utilization of Motor Gasoline - Producing Downstream Units, by PAD District, 1987 and 1988
(Thousand Barrels per Stream Day, Except Where Noted)

	PAD District I		PAD District II		PAD District III		PAD District IV		PAD District V		United States	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Fresh Feed Inputs												
Cokers	63	70	233	262	509	552	16	16	444	464	1,265	1,364
Catalytic Crackers (fresh)	503	543	999	988	2,075	2,171	145	153	648	659	4,370	4,514
Catalytic Hydrocrackers	51	53	112	119	385	356	6	5	393	397	946	931
Average Capacity [1]												
Cokers	80	81	287	293	593	597	25	27	504	517	1,490	1,515
Catalytic Crackers (fresh)	606	592	1,206	1,231	2,580	2,596	192	190	753	766	5,337	5,374
Catalytic Hydrocrackers	74	81	160	162	489	503	7	8	466	466	1,196	1,220
Utilization Rate (percent) [2]												
Cokers	78.4	86.3	81.2	89.2	85.9	92.5	63.0	58.0	88.0	89.8	84.9	90.0
Catalytic Crackers (fresh)	83.1	91.8	82.8	80.3	80.4	83.6	75.4	80.7	86.1	86.0	81.9	84.0
Catalytic Hydrocrackers	68.3	65.6	69.8	73.5	78.8	70.7	80.2	64.8	84.4	85.3	79.1	76.3

[1] Capacities are the average of January 1 operable capacities for the indicated year and the following year.
[2] Utilization rate is expressed as a percentage and represents inputs divided by capacity. Utilization rate is based on unrounded data.
Note: Totals may not add to sum of components due to independent rounding.
Source: Energy Information Administration, *Petroleum Supply Annual,* DOE/EIA-0340, Volume 1, Refinery Capacity section, Tables 11 and 31.

Table FE4. Capacity of Motor Gasoline-Producing Downstream Units, 1981-1989
(Thousand Barrels per Stream Day)

	Charge Capacity					Production Capacity	
	Thermal Cracking						
Year[1]	Fluid & Delayed Coking	Visbreaking & Other	Catalytic Cracking (Fresh & Recycled)	Catalytic Hydrocracking	Catalytic Reforming	Isomerization	Alkylation
1981	1,021	566	6,136	909	4,098	138	974
1982	1,146	635	6,036	892	3,966	220	984
1983	1,198	518	5,891	883	3,918	212	960
1984	1,393	459	5,802	952	3,907	208	945
1985	1,407	451	5,738	1,053	3,750	219	917
1986	1,435	444	5,677	1,125	3,744	258	941
1987	1,464	464	5,716	1,189	3,805	326	974
1988	1,515	565	5,806	1,202	3,891	465	993
1989	1,516	557	5,650	1,238	3,911	469	1,015

[1] As of January 1 of year.
Source: Energy Information Administration, Form EIA-820, "Annual Refinery Report" and predecessor forms.

increased consumer demand for higher octane unleaded gasoline, but also because of full implementation of the Environmental Protection Agency's (EPA) lead phasedown rule which reduces the allowable gasoline lead content to 0.1 gram per gallon.

In addition, in March 1989, the EPA announced new gasoline volatility standards for the 1989 summer driving season. The measure of volatility, Reid Vapor Pressure (RVP), is the measure of the surface pressure it takes to keep gasoline from vaporizing. The higher the RVP of the gasoline, the more easily it will evaporate, causing increased levels of air pollution. The ideal RVP for gasoline varies with the seasons.

Under the new EPA regulations, average summertime RVP specifications for gasoline produced by refineries can range between 9.0 pounds per square inch (psi) and 10.5 psi, varying by locality, a drop from the previous limit of 11.5 psi. EPA has set some of the toughest standards for Arizona and New Mexico, where the especially hot, dry summer weather contributes to high smog levels in urban areas. The EPA standards for these two States will be 9.5 psi in May, 9.0 psi in June through August, and 9.5 psi in September. California, Texas, and Nevada will generally be limited to 9.5 psi throughout most of the summer months (with a few exceptions of 10.5 psi in May in areas of each State), but Los Angeles will be limited to a gasoline volatility rating of 9.0 psi.

Most of the country will be limited to a gasoline RVP level of 10.5. Nevertheless, concern over serious smog problems along the highly urban, heavily-traveled Northeast prompted New York, New Jersey, and the New England States to sign an agreement in late 1987 to limit gasoline volatility in that region to 9.0 psi during the summer of 1989, well below the EPA specifications. The Clean Air Act prohibits States from adopting standards stricter than the Federal Government, but several of these States have asked for waivers.

EPA noted that the volatility reductions are the maximum possible without installation of capital equipment at refineries. However, this regulation will have an impact on refiners as they will have to find low volatility octane enhancers for use in motor gasoline blending. Normally, butanes are used as a motor gasoline blending component. However, since the RVP of normal butane is 52 psi, refiners are searching for substitutes for butanes as a motor gasoline blending component. Low volatility substitutes in use now include the ether compound MTBE, and the more expensive xylene and toluene.

Refinery Yields

Refinery yields[5] (percentage of how much product results from the processing of one barrel of crude oil) are based on the ratio of the production of finished products to the inputs of crude oil and net inputs of unfinished oils.

Refiners input about 391,000 barrels per day more crude oil and unfinished oils in 1988 than they did in 1987 to produce about the same yield of motor gasoline (approximately percent) (Table FE5). This is due, in part, to the increas production of premium unleaded gasoline. Higher crude inputs are required because the catalytic reforming proc used to produce premium unleaded fuel raised the octane le of gasoline but resulted in greater processing losses. addition, during 1988 refiners diverted some of the feedsto once used to make gasoline to a rapidly expanding pet chemical industry. The greater emphasis on petrochemi plants has helped trim gasoline yields and sparked hig crude oil inputs to keep up with the strong demand for ga line.

The annual refinery yield of distillate fuel oil has remai fairly steady since 1978, fluctuating between 19.7 percent 1980) and 21.6 percent (in 1985). The distillate yield in 1 was 20.8 percent, compared with 20.5 percent in 1987.

In a reversal of the trend of recent years, residual fuel oil yie increased in 1988, while yields of jet fuel remained sta Yields of residual fuel oil declined from 11.7 percent in 1 to 6.6 percent in 1987 before increasing to 6.7 percent in 19 In contrast, refinery yields of jet fuel increased from percent in 1980 to 10.0 percent in 1987 and 1988.

During the 1980's, a number of factors have influenced yield pattern for residual fuel oil and jet fuel. Residual fue demand plummeted after price controls were removed 1980. Demand increased for lighter products, such as mo gasoline, distillate fuel oil, and jet fuel during this sa period. The ability of refiners to convert residual fuel oil lighter products increased with the addition of downstre

[5] See Table 13 of this volume.

Table FE5. Total Refinery Inputs, Motor Gasoline Production and Motor Gasoline Yields, 1981 - 1988
(Thousand Barrels per Day, Except Where Noted)

Year	Total[1] Inputs	Finished Motor Gasoline Refinery Production			Yield[2] (Percen
		Leaded	Unleaded	Total	
1981	12,756	3,201	3,197	6,400	44.5
1982	12,123	2,993	3,339	6,336	46.2
1983	12,003	2,836	3,502	6,338	47.4
1984	12,465	2,571	3,882	6,453	46.5
1985	12,443	2,281	4,138	6,419	45.6
1986	13,167	2,096	4,656	6,752	45.7
1987	13,326	1,668	5,174	6,841	46.4
1988	13,717	1,302	5,654	6,956	46.0

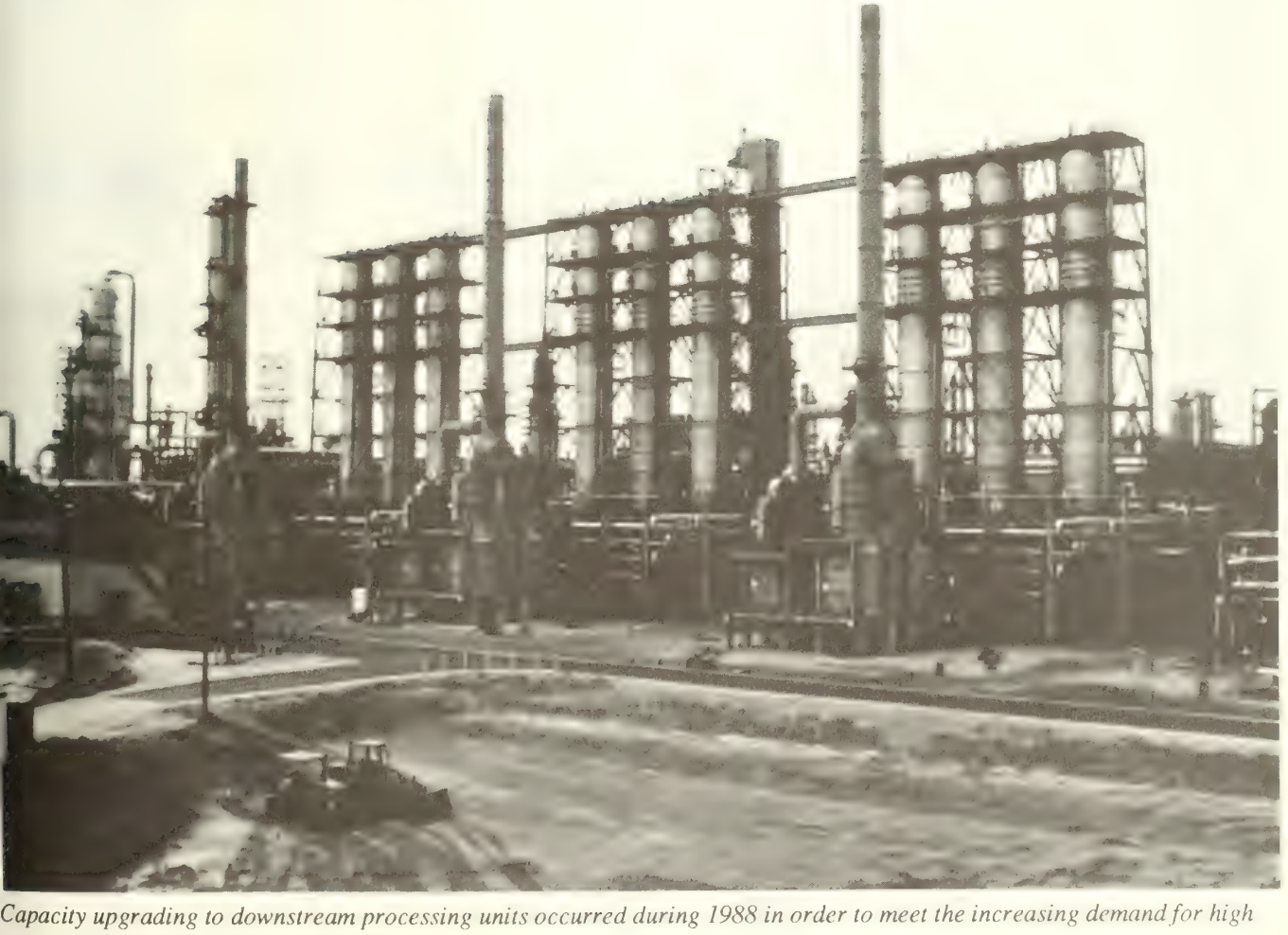
[1] Crude plus net reruns of unfinished oils.
[2] Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas pla liquids, other hydrocarbons and alcohol.
Note: Shaded areas are not used to calculate yields.
Source: Energy Information Administration, *Petroleum Supply Annual,* DOE/EIA-0340(88)/1, Tables 3 and 13, and predecessor repo

apacity during the 1980's. When demand for residual fuel oil ncreased and its price was low relative to that of crude oil in 986, it was more economical to import residual fuel oil than o increase refinery yields of this product. In 1988, residual uel oil demand showed the second increase in 3 years, but the rice differential between residual fuel oil and crude oil was ess than in 1986. Consequently, imports of residual fuel oil vere lower than in 1986, while refinery yields were at the ame rate.

Crude Oil Receipts at Refineries

During 1988, total crude oil received at refineries rose 3.4 ercent to an average of 13.5 million barrels per day, as receipts of foreign crude oil more than offset a 1.7-percent decline in domestic crude oil receipts from the 1987 daily average. Refinery receipts of domestic crude oil (including Alaskan) in 1988 averaged 8.2 million barrels per day. Receipts of Alaskan crude oil increased by 4.2 percent over the 1987 level to 1.8 million barrels per day.

Refinery receipts of foreign crude oil rose from 4.7 million barrels per day in 1987 to 5.3 million barrels per day in 1988, an increase of 12.6 percent. This is the third consecutive year in which foreign crude oil receipts have increased and domestic receipts have decreased from the previous year. However, domestic receipts still comprise a majority of the total crude oil received at refineries: about 61 percent of the total in 1988 compared to 64 percent during 1987.



Capacity upgrading to downstream processing units occurred during 1988 in order to meet the increasing demand for high octane gasoline. Shown above are processing towers in a Gulf Coast refinery.

Table 29. **Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1989**

District and State	Number of Operable Refineries			Atmospheric Crude Oil Distillation Capacity					
				Barrels per Calendar Day			Barrels per Stream Day		
	Total	Operating	Idle [1]	Total	Operating	Idle	Total	Operating	Idle
PAD District I	**24**	**22**	**2**	**1,433,752**	**1,395,752**	**38,000**	**1,524,500**	**1,483,500**	**41,000**
Delaware	1	1	0	140,000	140,000	0	150,000	150,000	0
Georgia	2	1	1	33,079	5,079	28,000	35,000	6,000	29,000
New Jersey	6	6	0	400,000	400,000	0	434,000	434,000	0
New York	1	1	0	41,850	41,850	0	45,000	45,000	0
North Carolina	2	1	1	13,000	3,000	10,000	15,500	3,500	12,000
Pennsylvania	8	8	0	734,315	734,315	0	770,500	770,500	0
Virginia	2	2	0	54,700	54,700	0	57,000	57,000	0
West Virginia	2	2	0	16,808	16,808	0	17,500	17,500	0
PAD District II	**39**	**38**	**1**	**3,262,500**	**3,261,000**	**1,500**	**3,428,303**	**3,425,803**	**2,500**
Illinois	6	6	0	889,200	889,200	0	942,000	942,000	0
Indiana	5	4	1	430,400	428,900	1,500	444,100	441,600	2,500
Kansas	8	8	0	349,300	349,300	0	370,483	370,483	0
Kentucky	2	2	0	218,900	218,900	0	226,300	226,300	0
Michigan	3	3	0	113,500	113,500	0	121,000	121,000	0
Minnesota	2	2	0	247,100	247,100	0	264,220	264,220	0
North Dakota	1	1	0	58,000	58,000	0	60,000	60,000	0
Ohio	4	4	0	484,600	484,600	0	507,000	507,000	0
Oklahoma	6	6	0	381,500	381,500	0	399,200	399,200	0
Tennessee	1	1	0	58,000	58,000	0	60,000	60,000	0
Wisconsin	1	1	0	32,000	32,000	0	34,000	34,000	0
PAD District III	**74**	**69**	**5**	**7,362,147**	**6,822,597**	**539,550**	**7,813,507**	**7,208,207**	**605,300**
Alabama	5	4	1	153,600	144,100	9,500	159,300	149,300	10,000
Arkansas	3	3	0	58,400	51,400	7,000	61,000	53,000	8,000
Louisiana	22	20	2	2,627,147	2,286,147	341,000	2,791,400	2,396,900	394,500
Mississippi	6	6	0	368,400	368,400	0	390,900	390,900	0
New Mexico	4	4	0	75,600	75,600	0	84,607	84,607	0
Texas	34	32	2	4,079,000	3,896,950	182,050	4,326,300	4,133,500	192,800
PAD District IV	**18**	**17**	**1**	**549,875**	**526,875**	**23,000**	**570,950**	**546,950**	**24,000**
Colorado	3	2	1	87,200	72,000	15,200	92,000	76,000	16,000
Montana	4	4	0	138,450	130,650	7,800	143,200	135,200	8,000
Utah	6	6	0	154,500	154,500	0	160,000	160,000	0
Wyoming	5	5	0	169,725	169,725	0	175,750	175,750	0
PAD District V	**49**	**47**	**2**	**3,046,600**	**3,005,600**	**41,000**	**3,230,723**	**3,185,849**	**44,874**
Alaska	6	6	0	215,000	215,000	0	232,460	232,460	0
California	32	31	1	2,235,300	2,206,200	29,100	2,379,809	2,347,689	32,120
Hawaii	2	2	0	126,500	126,500	0	130,000	130,000	0
Nevada	1	1	0	4,500	4,500	0	4,700	4,700	0
Oregon	1	1	0	0	0	0	0	0	0
Washington	7	6	1	465,300	453,400	11,900	483,754	471,000	12,754
U.S. Total	**204**	**193**	**11**	**15,654,874**	**15,011,824**	**643,050**	**16,567,983**	**15,850,309**	**717,674**
Puerto Rico	2	2	0	85,000	85,000	0	87,000	87,000	0
Virgin Islands	1	1	0	545,000	470,000	75,000	595,000	510,000	85,000

See footnotes at end of table.

Table 29. **Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1989 (Continued)**

District and State	Downstream Charge Capacity (Barrels per Stream Day)							
	Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting
			Fresh	Recycled				
PAD District I	**722,575**	**81,000**	**581,300**	**50,800**	**356,950**	**87,000**	**902,370**	**16,000**
Delaware	95,000	46,000	65,000	5,000	56,000	19,000	110,000	0
Georgia	0	0	0	0	0	0	3,000	0
New Jersey	244,100	21,500	251,000	37,000	77,500	17,000	284,500	0
New York	27,000	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0	0
Pennsylvania	319,300	0	238,300	6,800	208,400	51,000	479,620	16,000
Virginia	29,000	13,500	27,000	2,000	9,750	0	25,250	0
West Virginia	8,175	0	0	0	5,300	0	0	0
PAD District II	**1,363,750**	**375,700**	**1,234,600**	**59,100**	**914,100**	**162,390**	**1,919,800**	**39,500**
Illinois	349,400	124,900	343,000	12,000	292,300	67,500	588,100	0
Indiana	233,200	28,500	167,000	6,000	99,500	0	233,700	5,000
Kansas	124,650	53,000	124,500	9,000	97,500	3,190	215,500	5,500
Kentucky	92,000	57,600	100,000	0	53,500	0	182,300	10,000
Michigan	38,000	0	45,000	1,000	33,000	0	60,300	0
Minnesota	167,000	54,000	78,000	1,000	55,500	0	221,000	0
North Dakota	0	0	26,000	5,200	12,100	0	16,600	0
Ohio	185,000	30,700	176,000	17,500	161,600	87,200	194,500	9,000
Oklahoma	142,000	27,000	132,500	6,400	91,100	4,500	158,000	10,000
Tennessee	12,000	0	30,000	0	10,000	0	35,000	0
Wisconsin	20,500	0	12,600	1,000	8,000	0	14,800	0
PAD District III	**3,283,550**	**1,001,800**	**2,547,900**	**156,475**	**1,817,900**	**513,000**	**4,710,425**	**110,000**
Alabama	50,000	12,000	0	0	26,000	0	59,300	0
Arkansas	23,300	0	18,500	775	9,000	0	18,500	5,500
Louisiana	1,144,700	545,500	846,800	12,300	524,200	149,000	1,246,275	5,000
Mississippi	273,950	70,500	72,000	9,000	96,000	68,000	254,000	0
New Mexico	13,900	0	27,100	6,100	19,200	0	29,200	0
Texas	1,777,700	373,800	1,583,500	128,300	1,143,500	296,000	3,103,150	99,500
PAD District IV	**206,850**	**29,400**	**187,070**	**29,420**	**116,230**	**9,900**	**236,220**	**9,000**
Colorado	33,000	4,200	23,500	1,000	19,900	5,000	29,900	0
Montana	53,350	7,700	52,170	6,620	35,530	4,900	118,270	4,000
Utah	45,500	8,500	49,400	9,600	28,550	0	39,250	5,000
Wyoming	75,000	9,000	62,000	12,200	32,250	0	48,800	0
PAD District V	**1,648,500**	**585,000**	**773,450**	**30,050**	**705,700**	**465,400**	**1,671,080**	**70,000**
Alaska	6,000	0	0	0	12,000	9,000	0	0
California	1,347,000	502,000	648,950	14,050	559,900	388,500	1,463,280	50,000
Hawaii	58,000	13,000	22,000	3,000	12,000	15,900	3,500	0
Nevada	2,500	0	0	0	0	0	0	0
Oregon	16,000	0	0	0	0	0	0	0
Washington	219,000	70,000	102,500	13,000	121,800	52,000	204,300	20,000
U.S. Total	**7,225,225**	**2,072,900**	**5,324,320**	**325,845**	**3,910,880**	**1,237,690**	**9,439,895**	**244,500**
Puerto Rico	45,000	0	0	0	72,800	15,600	80,000	0
Virgin Islands	215,000	85,000	0	0	115,000	0	420,000	0

[1] Refineries where distillation units are completely idle but not permanently shutdown on January 1, 1989.

Source: Form EIA-820, "Annual Refinery Report."

Table 30. Production Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 1989
(Barrels per Stream Day, Except Where Noted)

District and State	Production Capacity							
	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons day)
PAD District I	**79,500**	**164,730**	**19,170**	**36,950**	**34,912**	**113**	**21,050**	**4,455**
Delaware	8,000	0	3,370	0	0	40	10,900	350
Georgia	0	23,880	0	0	0	0	0	0
New Jersey	24,500	94,850	3,500	25,000	8,500	16	5,050	3,592
New York	0	13,000	0	0	0	0	0	0
Pennsylvania	47,000	33,000	12,300	11,950	20,200	56	0	440
Virginia	0	0	0	0	0	0	5,100	73
West Virginia	0	0	0	0	6,212	1	0	0
PAD District II	**260,100**	**263,500**	**54,069**	**139,943**	**31,625**	**154**	**70,455**	**3,429**
Illinois	87,500	36,200	7,300	5,000	4,600	39	23,500	1,411
Indiana	34,200	46,000	13,000	23,200	6,400	0	10,540	561
Kansas	36,300	7,500	10,169	40,000	0	0	10,300	267
Kentucky	12,000	30,000	5,400	12,250	7,900	20	0	200
Michigan	8,800	28,000	0	1,100	0	0	0	95
Minnesota	14,000	69,000	0	23,300	0	20	15,000	534
North Dakota	3,400	0	0	4,000	0	0	0	17
Ohio	25,800	14,500	16,000	10,693	3,000	65	6,190	245
Oklahoma	34,000	18,800	2,200	20,400	9,725	10	4,925	40
Tennessee	2,500	0	0	0	0	0	0	45
Wisconsin	1,600	13,500	0	0	0	0	0	14
PAD District III	**494,800**	**213,985**	**213,008**	**254,680**	**134,725**	**1,108**	**132,860**	**11,250**
Alabama	0	23,000	0	800	0	6	2,000	140
Arkansas	4,400	10,750	0	5,000	3,235	4	0	21
Louisiana	197,500	67,410	28,633	112,220	37,090	182	60,510	3,087
Mississippi	20,700	41,700	5,500	0	5,000	217	17,700	1,260
New Mexico	3,200	4,100	0	4,000	0	0	0	0
Texas	269,000	67,025	178,875	132,660	89,400	699	52,650	6,742
PAD District IV	**34,430**	**50,890**	**0**	**15,700**	**1,600**	**25**	**5,376**	**128**
Colorado	1,200	4,000	0	1,200	0	6	1	36
Montana	12,180	26,740	0	4,650	0	19	2,175	37
Utah	11,400	3,200	0	6,350	0	0	1,750	13
Wyoming	9,650	16,950	0	3,500	1,600	0	1,450	42
PAD District V	**146,200**	**129,683**	**3,300**	**21,450**	**26,800**	**1,101**	**102,930**	**9,107**
Alaska	0	8,200	1,800	4,000	0	13	0	15
California	116,900	92,683	1,500	13,200	26,800	985	85,430	8,814
Hawaii	4,500	1,300	0	1,500	0	23	0	0
Oregon	0	11,500	0	0	0	0	0	0
Washington	24,800	16,000	0	2,750	0	80	17,500	278
U.S. Total	**1,015,030**	**822,788**	**289,547**	**468,723**	**229,662**	**2,501**	**332,671**	**28,369**
Puerto Rico	0	0	15,000	0	9,500	19	0	68
Virgin Islands	0	0	35,000	18,000	0	0	0	580

MMcfd = Million cubic feet per day.
Source: Form EIA-820, "Annual Refinery Report."

1. **Capacity of Operable Petroleum Refineries by State as of January 1, 1989**
(Barrels per Stream Day, Except Where Noted)

Refiner	Refineries on Page(s)
a Hess Corp.	84, 85, 86, 87, 98, 99
an International Refinery Inc.	82, 83
Oil Co.	78, 79, 80, 81, 88, 89, 90, 91, 94, 95, 96, 97
aska Inc.	74, 75
oducts Co.	74, 75, 96, 97
l Oil Inc.	82, 83, 84, 85, 88, 89
Refining & Marketing Corp.	90, 91
Refining Corp.	88, 89
Refining Co.	74, 75
etroleum Co.	74, 75
st Oil Co.	94, 95
eld Refining Co.	88, 89
Corp.	82, 83, 88, 89, 90, 91, 96, 97
eu Refining Co.	82, 83
t Refining Co.	82, 83
Refining Co.	82, 83
	86, 87
in Refining Co.	90, 91
l Refining Corp.	74, 75
n U.S.A. Inc.	74, 75, 78, 79, 86, 87, 90, 91, 94, 95, 96, 97
etroleum Products Inc.	88, 89
etroleum Corp.	82, 83
s & Transmission Corp.	88, 89
ne Gasoline Co.	82, 83
il & Refining Corp.	80, 81
Eagle Point Oil Co.	86, 87
Refining & Marketing Inc.	92, 93
do Refining Co.	78, 79
Inc.	76, 77, 78, 79, 82, 83, 86, 87, 88, 89
Oil & Refining Co. of Arkansas	74, 75
Central Petroleum Corp.	92, 93
Refining Inc.	94, 95
Refining Co.	84, 85
Refining Co.	80, 81
nd Shamrock Refining & Marketing Co.	92, 93
Refinery Partners Ltd.	92, 93
ton Oil Co.	76, 77
Refining Co. Ltd.	92, 93
co Inc.	82, 83
Refining Inc.	86, 87
Co. U.S.A.	76, 77, 82, 83, 86, 87, 92, 93
nd Industries Inc.	80, 81
l & Chemical Co.	92, 93
r Oil & Refining Co.	76, 77
r Refining Co.	96, 97
Refining Co.	88, 89
Oil & Refining Co. Inc.	76, 77
nergy Corp.	88, 89
West Refining Co.	76, 77
an Independent Refinery Inc.	78, 79
troleum Co.	82, 83, 92, 93
Hydrocarbons Corp.	92, 93
il Co.	74, 75
ay Refining Co.	76, 77
a Farm Bureau Cooperative Association	80, 81
cky Oil & Refining Co.	80, 81
il & Refining Co.	76, 77
cGee Refining Corp.	82, 83, 88, 89
Refining Co.	84, 85, 92, 93
ria Oil & Gas Co.	92, 93
n Refining Corp.	80, 81

Refiner	Refineries on Page(s)
Leal Petroleum Corp.	92, 93
Lion Oil Co.	74, 75
Little America Refining Co.	96, 97
LL&E Petroleum Marketing Inc.	74, 75
Lunday Thagard Co.	76, 77
Lyondell Petrochemical Co.	92, 93
Mapco Petroleum Inc.	74, 75, 90, 91
Marathon Petroleum Co.	80, 81, 82, 83, 84, 85, 92, 93
Mid Atlantic Fuels Inc.	96, 97
Mobil Oil Corp.	76, 77, 80, 81, 84, 85, 86, 87, 92, 93
Montana Refining Co.	86, 87
Murphy Oil U.S.A. Inc.	84, 85, 96, 97
National Cooperative Refinery Association	80, 81
Navajo Refining Co.	88, 89
Nevada Refining Co.	86, 87
Newhall Refining Co. Inc.	76, 77
Pacific Refining Co.	76, 77
Paramount Petroleum Corp.	76, 77
Pennzoil Products Co.	84, 85, 90, 91, 94, 95
Petro Source Resources Inc.	86, 87
Petro Star	74, 75
Petrolite Corp.	94, 95
Phillips Puerto Rico Core Inc.	98, 99
Phillips 66 Co.	94, 95
Placid Refining Co.	84, 85
Powerine Oil Co.	76, 77
Pride Refining Inc.	94, 95
Primary Oil & Energy Corp.	96, 97
Quaker State Oil Refining Corp.	90, 91, 96, 97
Rock Island Refining Corp.	80, 81
San Joaquin Refining Co. Inc.	76, 77
Seaview Petroleum Inc.	86, 87
Shell Oil Co.	76, 77, 80, 81, 84, 85, 94, 95, 96, 97
Sinclair Oil Corp.	88, 89, 96, 97
Somerset Refinery Inc.	82, 83
Sound Refining Inc.	96, 97
South Hampton Refining Co.	94, 95
Southland Oil Co.	86, 87
Southwestern Refining Co. Inc.	94, 95
Star Enterprise	78, 79, 84, 85, 94, 95
Sun Co Inc.	88, 89, 90, 91, 98, 99
Sunland Refining Corp.	76, 77
Tenby Inc.	76, 77
Tesoro Petroleum Corp.	74, 75
Texaco Refining & Marketing Inc.	78, 79, 80, 81, 96, 97
Thriftway Co.	88, 89
Tosco Corp.	78, 79
Total Petroleum Inc.	82, 83, 84, 85, 88, 89
Trans America Refining Co.	84, 85
Trifinery	94, 95
U.S. Oil & Refining Co.	96, 97
Ultramar Refining	78, 79
United Refining Co.	90, 91
Unocal Corp.	78, 79, 80, 81, 94, 95
Valero Refining Co.	94, 95
Vulcan Refining Co.	74, 75
Warrior Asphalt Refining Corp.	74, 75
Western Slope Refining Co.	78, 79
Witco Corp.	78, 79, 90, 91
Wyoming Refining Co.	98, 99
Young Refining Corp.	78, 79

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Cataly Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Alabama	**144,100**	**9,500**	**149,300**	**10,000**	**50,000**	**12,000**	**0**	**0**	**26,00**
Belcher Refining Co.									
Chickasaw	26,600	0	28,000	0	10,000	0	0	0	
Hunt Oil Co.									
Tuscaloosa	33,500	0	35,000	0	15,000	[1] 12,000	0	0	[2] 6,00
LL&E Petroleum Marketing Inc.									
Saraland	80,000	0	81,300	0	20,000	0	0	0	[6] 20,00
Vulcan Refining Co.									
Cordova	0	9,500	0	10,000	5,000	0	0	0	
Warrior Asphalt Refining Corp.									
Holt	4,000	0	5,000	0	0	0	0	0	
Alaska	**215,000**	**0**	**232,460**	**0**	**6,000**	**0**	**0**	**0**	**12,0**
Arco Alaska Inc.									
Anchorage	12,000	0	13,000	0	0	0	0	0	
Prudhoe Bay	12,000	0	18,000	0	0	0	0	0	
Chevron U.S.A. Inc.									
Kenai	22,000	0	22,500	0	0	0	0	0	
Mapco Petroleum Inc.									
North Pole	90,000	0	91,760	0	6,000	0	0	0	
Petro Star									
North Pole	7,000	0	7,200	0	0	0	0	0	
Tesoro Petroleum Corp.									
Kenai	72,000	0	80,000	0	0	0	0	0	[2] 12,0
Arkansas	**51,400**	**7,000**	**53,000**	**8,000**	**23,300**	**0**	**18,500**	**775**	**9,0**
Berry Petroleum Co.									
Stephens	3,700	0	4,000	0	1,500	0	0	0	
Cross Oil & Refining Co. of Arkansas									
Smackover	6,700	0	7,000	0	3,300	0	0	0	
Lion Oil Co.									
El Dorado	41,000	7,000	42,000	8,000	18,500	0	18,500	775	[2] 9,0
California	**2,206,200**	**29,100**	**2,347,689**	**32,120**	**1,347,000**	**502,000**	**648,950**	**14,050**	**559,9**
Arco Products Co.									
Los Angeles	214,000	0	225,000	0	112,000	[1] 56,000	82,000	0	[6] 48,0
Chemoil Refining Corp.									
(Formerly Macmillan Petroleum Co.)									
Long Beach	14,200	0	16,200	0	0	0	0	0	
Chevron U.S.A. Inc.									
El Segundo	330,000	0	380,000	0	179,000	[1] 54,000	60,000	0	[2] 25,0 [6] 35,0
Richmond	270,000	0	280,000	0	175,000	0	63,000	0	[2] 50,0 [6] 18,0

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
bama	**0**	**59,300**	**0**	**0**	**23,000**	**0**	**800**	**0**	**6**	**2,000**	**140**
ckasaw	0	0	0	0	8,000	0	0	0	0	0	0
scaloosa	0	[3] 9,800 [4] 7,500 [5] 5,000	0	0	9,500	0	0	0	6	2,000	80
raland	0	[3] 15,000 [4] 22,000	0	0	0	0	[7] 800	0	0	0	60
rdova	0	0	0	0	2,500	0	0	0	0	0	0
lt	0	0	0	0	3,000	0	0	0	0	0	0
aska	**9,000**	**0**	**0**	**0**	**8,200**	**1,800**	**4,000**	**0**	**13**	**0**	**15**
chorage	0	0	0	0	0	0	0	0	0	0	0
udhoe Bay	0	0	0	0	0	0	0	0	0	0	0
nai	0	0	0	0	6,000	0	0	0	0	0	0
rth Pole	0	0	0	0	2,200	1,800	0	0	0	0	0
rth Pole	0	0	0	0	0	0	0	0	0	0	0
nai	9,000	0	0	0	0	0	[8] 4,000	0	13	0	15
kansas	**0**	**18,500**	**5,500**	**4,400**	**10,750**	**0**	**5,000**	**3,235**	**4**	**0**	**21**
ephens	0	0	0	0	1,000	0	0	0	0	0	0
nackover	0	[9] 3,000	0	0	2,050	0	0	3,235	4	0	0
Dorado	0	[4] 10,000 [5] 5,500	5,500	4,400	7,700	0	[8] 5,000	0	0	0	21
alifornia	**388,500**	**1,463,280**	**50,000**	**116,900**	**92,683**	**1,500**	**13,200**	**26,800**	**985**	**85,430**	**8,814**
os Angeles	22,000	[3] 70,000 [4] 40,000 [5] 18,000 [9] 18,000	0	9,000	0	0	0	0	70	10,000	180
ong Beach	0	0	0	0	0	0	0	0	0	0	0
l Segundo	45,000	[3] 60,000 [4] 56,000 [5] 14,000 [9] 42,000	0	8,000	0	1,500	0	0	112	14,500	840
ichmond	105,500	[3] 60,000 [4] 63,000 [5] 65,000 [9] 18,200	50,000	9,200	11,000	0	0	11,800	135	0	672

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyti Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
California (Continued)									
Conoco Inc.									
Santa Maria	9,500	0	10,000	0	7,800	0	0	0	0
Edgington Oil Co.									
Long Beach	41,600	0	44,800	0	27,000	0	0	0	0
Exxon Co. U.S.A.									
Benicia	128,000	0	132,000	0	67,000	[10] 27,500	64,000	11,000	[6] 28,000
Fletcher Oil & Refining Co.									
Carson	29,500	0	31,709	0	0	0	9,450	1,050	[6] 4,200
Gibson Oil & Refining Co. Inc. *									
Bakersfield	0	9,600	0	9,800	0	0	0	0	0
Golden West Refining Co.									
Santa Fe Springs	42,000	0	45,000	0	25,000	[11] 13,800	13,500	0	[6] 19,000
Huntway Refining Co.									
Benicia	8,600	0	9,000	0	7,600	0	0	0	0
Wilmington	5,500	0	6,000	0	5,000	0	0	0	0
Kern Oil & Refining Co.									
Bakersfield	21,400	0	23,000	0	0	0	0	0	[6] 3,000
Lunday Thagard Co.									
South Gate	8,100	0	8,500	0	7,000	0	0	0	
Mobil Oil Corp.									
Torrance	123,000	0	130,000	0	95,000	[1] 48,000	63,000	0	[6] 36,000
Newhall Refining Co. Inc.									
Newhall	E 13,000	E 9,500	E 13,680	E 10,320	E 10,000	0	0	0	[2] E 2,500
Pacific Refining Co.									
Hercules	55,000	0	57,000	0	20,000	[11] 12,000	0	0	[6] 15,000
Paramount Petroleum Corp.									
Paramount	46,500	0	48,000	0	28,000	0	0	0	[6] 11,500
Powerine Oil Co.									
Santa Fe Springs	35,000	0	35,900	0	20,000	[10] 12,000	12,000	0	[2] 8,200
San Joaquin Refining Co. Inc.									
Bakersfield	14,300	10,000	15,000	12,000	12,000	[11] 5,000	0	0	
Shell Oil Co.									
Carson	125,000	0	129,000	0	75,000	[1] 53,000	42,000	0	[6] 24,000
Martinez	140,100	0	143,000	0	96,500	[10] 22,000	67,000	1,000	[2] 28,000
Sunland Refining Corp.									
Bakersfield	12,000	0	17,000	0	0	0	0	0	
Tenby Inc.									
(Formerly Oxnard Refinery)									
Oxnard	4,000	0	5,000	0	0	0	0	0	

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
ornia (Continued)											
a Maria	0	0	0	0	6,800	0	0	0	0	0	0
Beach	0	0	0	0	18,000	0	0	0	0	0	0
cia	29,500	[3] 37,000 [4] 44,500 [5] 25,000 [9] 17,000	0	14,000	0	0	0	0	104	5,500	304
son	0	[3] 10,500	0	0	0	0	0	0	0	0	0
ersfield	0	0	0	0	0	0	0	0	0	0	0
ta Fe Springs	11,000	[4] 12,000	0	3,000	0	0	0	0	11	0	30
cia	0	0	0	0	4,500	0	0	0	0	0	0
nington	0	0	0	0	2,750	0	0	0	0	0	0
ersfield	0	[4] 3,000	0	0	0	0	0	0	0	0	0
th Gate	0	0	0	0	5,833	0	0	0	0	0	0
ance	21,700	[3] 68,000 [4] 37,000 [5] 28,000	0	17,000	0	0	0	0	137	14,500	589
vhall	0	[3] E 5,000 [4] E 2,500 [5] E 6,500	0	0	E 4,600	0	0	0	0	0	E 4,000
cules	4,000	[4] 15,000	0	0	0	0	0	0	0	0	0
amount	0	[5] 7,000 [9] 21,500	0	0	15,000	0	0	0	0	0	0
ta Fe Springs	8,000	[3] 13,500 [4] 8,500 [5] 6,000	0	3,200	0	0	[7] 1,800	0	18	2,250	42
kersfield	0	0	0	0	8,000	0	0	0	0	0	0
son	0	[4] 25,000 [5] 32,000 [9] 48,000	0	8,600	0	0	0	0	36	12,500	448
rtinez	27,000	[3] 50,000 [4] 17,000 [5] 19,000 [9] 37,300	0	8,000	11,000	0	0	4,500	110	635	268
kersfield	0	0	0	0	0	0	0	0	0	0	0
nard	0	0	0	0	1,200	0	0	0	0	0	0

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reformin
	Operating	Idle	Operating	Idle			Fresh	Recycled	
California (Continued)									
Texaco Refining & Marketing Inc.									
Bakersfield	47,000	0	48,000	0	23,000	[1] 11,800	0	0	[6] 23,000
Wilmington	57,000	0	60,000	0	42,000	[1] 48,000	28,000	0	[6] 38,000
Tosco Corp.									
Martinez	126,000	0	132,600	0	105,000	[10] 48,000	60,000	1,000	[2] 23,000 [6] 20,000
Ultramar Refining (Formerly Union Pacific Resources Co.)									
Wilmington	65,000	0	71,000	0	35,000	[1] 24,000	38,000	0	[2] 14,500
Unocal Corp.									
Arroyo Grande	41,000	0	44,000	0	32,000	[1] 23,200	0	0	0
Rodeo	71,900	0	76,300	0	42,100	[1] 23,700	0	0	[2] 16,000 [6] 18,000
Wilmington	108,000	0	111,000	0	89,000	[11] 20,000	47,000	0	[2] 36,000 [6] 16,000
Witco Corp.									
Oildale	0	0	0	0	10,000	0	0	0	0
Colorado	**72,000**	**15,200**	**76,000**	**16,000**	**33,000**	**4,200**	**23,500**	**1,000**	**19,900**
Colorado Refining Co.									
Commerce City	28,000	0	30,000	0	10,000	0	8,500	0	[2] 9,000
Conoco Inc.									
Commerce City	44,000	0	46,000	0	13,000	0	15,000	1,000	[6] 7,500
Western Slope Refining Co. * (Formerly Gary Energy Corp.)									
Fruita	0	15,200	0	16,000	10,000	[1] 4,200	0	0	[6] 3,400
Delaware	**140,000**	**0**	**150,000**	**0**	**95,000**	**46,000**	**65,000**	**5,000**	**56,000**
Star Enterprise (Formerly Texaco Refining & Marketing Inc.)									
Delaware City	140,000	0	150,000	0	95,000	[10] 46,000	65,000	5,000	[2] 38,000 [6] 18,000
Georgia	**5,079**	**28,000**	**6,000**	**29,000**	**0**	**0**	**0**	**0**	**0**
Amoco Oil Co.									
Savannah	0	28,000	0	29,000	0	0	0	0	0
Young Refining Corp.									
Douglasville	5,079	0	6,000	0	0	0	0	0	0
Hawaii	**126,500**	**0**	**130,000**	**0**	**58,000**	**13,000**	**22,000**	**3,000**	**12,000**
Chevron U.S.A. Inc.									
Honolulu	48,000	0	50,000	0	28,000	0	22,000	3,000	0
Hawaiian Independent Refinery Inc.									
Ewa Beach	78,500	0	80,000	0	30,000	[11] 13,000	0	0	[2] 12,000

31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
nia (Continued)											
field	14,300	[3] 15,000 [4] 14,000	0	0	0	0	0	0	21	3,125	44
gton	20,000	[4] 18,000 [5] 12,000	0	4,400	0	0	0	0	48	8,250	308
ez	23,000	[3] 50,000 [4] 13,500 [5] 28,000	0	12,000	0	0	0	0	80	1,500	200
gton	0	[3] 40,000 [4] 15,000	0	10,500	0	0	[7] 4,000	0	0	1,200	120
Grande	0	0	0	0	0	0	0	0	0	6,020	153
	32,500	[4] 23,000 [5] 9,500 [9] 14,500	0	0	0	0	[8] 7,400	4,500	65	5,450	392
gton	25,000	[4] 54,000 [5] 36,200	0	10,000	0	0	0	0	38	0	224
e	0	[5] 580	0	0	4,000	0	0	6,000	0	0	0
ado	**5,000**	**29,900**	**0**	**1,200**	**4,000**	**0**	**1,200**	**0**	**6**	**1**	**36**
erce City	0	[4] 9,000	0	1,200	0	0	0	0	0	0	8
erce City	0	[4] 7,500 [5] 10,000	0	0	4,000	0	0	0	0	0	19
	5,000	[4] 3,400	0	0	0	0	[7] 600 [8] 600	0	6	1	9
vare	**19,000**	**110,000**	**0**	**8,000**	**0**	**3,370**	**0**	**0**	**40**	**10,900**	**350**
vare City	19,000	[4] 55,000 [5] 55,000	0	8,000	0	3,370	0	0	40	10,900	350
gia	**0**	**3,000**	**0**	**0**	**23,880**	**0**	**0**	**0**	**0**	**0**	**0**
nnah	0	0	0	0	20,880	0	0	0	0	0	0
lasville	0	[4] 540 [5] 1,200 [9] 1,260	0	0	3,000	0	0	0	0	0	0
ii	**15,900**	**3,500**	**0**	**4,500**	**1,300**	**0**	**1,500**	**0**	**23**	**0**	**0**
lulu	0	[9] 3,500	0	4,500	1,300	0	[7] 1,500	0	3	0	0
Beach	15,900	0	0	0	0	0	0	0	20	0	0

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reformin
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Illinois	**889,200**	**0**	**942,000**	**0**	**349,400**	**124,900**	**343,000**	**12,000**	**292,300**
Clark Oil & Refining Corp.									
Blue Island	64,600	0	68,000	0	27,000	0	25,000	1,000	[6] 30,500
Hartford	63,600	0	65,000	0	18,000	[1] 14,500	26,000	1,000	[6] 12,000
Marathon Petroleum Co.									
Robinson	160,000	0	170,000	0	45,500	[1] 21,500 [12] 5,000	42,000	0	[2] 42,000 [6] 35,000
Mobil Oil Corp.									
Joliet	180,000	0	200,000	0	88,000	[1] 38,000	98,000	0	[6] 46,000
Shell Oil Co.									
Wood River	274,000	0	286,000	0	108,000	[11] 18,000	94,000	0	[2] 75,000 [6] 22,000
Unocal Corp.									
Lemont	147,000	0	153,000	0	62,900	[1] 27,900	58,000	10,000	[6] 29,800
Indiana	**428,900**	**1,500**	**441,600**	**2,500**	**233,200**	**28,500**	**167,000**	**6,000**	**99,500**
Amoco Oil Co.									
Whiting	350,000	0	360,000	0	203,000	[1] 28,500	140,000	4,000	[6] 85,000
Indiana Farm Bureau Cooperative Association									
Mount Vernon	21,200	0	22,600	0	7,200	0	8,000	200	[6] 4,500
Kentucky Oil & Refining Co.									
Troy	0	1,500	0	2,500	0	0	0	0	0
Laketon Refining Corp.									
Laketon	8,700	0	9,500	0	6,000	0	0	0	0
Rock Island Refining Corp.									
Indianapolis	49,000	0	49,500	0	17,000	0	19,000	1,800	[2] 10,000
Kansas	**349,300**	**0**	**370,483**	**0**	**124,650**	**53,000**	**124,500**	**9,000**	**97,500**
Derby Refining Co.									
El Dorado	30,400	0	32,000	0	10,000	0	14,000	2,000	[6] 5,700
Wichita	28,800	0	31,300	0	10,000	[1] 5,000	17,000	2,500	[6] 7,000
Derby Refining Co. (Formerly Augusta Refining Co.)									
Augusta	0	0	0	0	0	0	0	0	[2] 7,500
Farmland Industries Inc.									
Coffeyville	56,500	0	60,723	0	19,500	[1] 13,000	23,000	1,500	[6] 16,000
Phillipsburg	26,400	0	27,460	0	10,000	0	0	0	[6] 5,300
National Cooperative Refinery Association									
McPherson	75,600	0	80,000	0	27,000	[1] 22,000	20,000	500	[6] 15,000
Texaco Refining & Marketing Inc.									
El Dorado	78,000	0	83,000	0	32,000	[1] 13,000	31,500	2,500	[6] 25,000

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
ois	**67,500**	**588,100**	**0**	**87,500**	**36,200**	**7,300**	**5,000**	**4,600**	**39**	**23,500**	**1,411**
Island	11,000	[4] 20,500	0	6,000	4,500	0	0	0	0	0	20
ford	0	[4] 12,000 [5] 12,000	0	8,000	0	0	0	0	0	3,750	110
nson	23,000	[4] 65,000 [5] 23,000 [9] 11,500	0	8,500	0	0	[8] 5,000	0	0	6,000	40
t	0	[4] 81,000 [5] 75,000	0	25,000	0	0	0	0	0	11,750	347
d River	33,500	[3] 29,000 [4] 64,000 [5] 52,500 [9] 45,500	0	22,000	28,500	3,800	0	4,600	28	0	504
ont	0	[3] 4,300 [4] 53,800 [5] 39,000	0	18,000	3,200	3,500	0	0	11	2,000	390
ana	**0**	**233,700**	**5,000**	**34,200**	**46,000**	**13,000**	**23,200**	**6,400**	**0**	**10,540**	**561**
ting	0	[3] 80,000 [4] 87,000 [5] 42,000 [9] 5,200	0	26,000	40,000	13,000	[8] 21,000	6,400	0	10,540	540
unt Vernon	0	[4] 6,000	0	1,700	2,200	0	[8] 2,200	0	0	0	0
y	0	0	0	0	0	0	0	0	0	0	0
eton	0	0	0	0	3,800	0	0	0	0	0	0
anapolis	0	[4] 13,500	5,000	6,500	0	0	0	0	0	0	21
nsas	**3,190**	**215,500**	**5,500**	**36,300**	**7,500**	**10,169**	**40,000**	**0**	**0**	**10,300**	**267**
Dorado	0	[4] 5,500 [5] 4,000	5,500	3,300	5,500	0	0	0	0	0	0
chita	0	[4] 7,000	0	3,000	0	0	0	0	0	1,050	0
gusta	0	[4] 13,500	0	0	0	7,200	[8] 5,500	0	0	0	0
ffeyville	0	[4] 26,500 [5] 5,000	0	6,000	0	0	[8] 8,000	0	0	3,000	8
llipsburg	0	[4] 7,500	0	0	2,000	0	0	0	0	0	0
Pherson	0	[4] 24,500 [5] 13,000	0	6,000	0	0	[7] 2,000 [8] 9,500	0	0	3,200	46
Dorado	0	[3] 44,000 [4] 40,000 [5] 9,000	0	12,500	0	2,969	[8] 15,000	0	0	3,050	200

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Cataly Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Kansas (Continued)									
Total Petroleum Inc.									
Arkansas City	53,600	0	56,000	0	16,150	0	19,000	0	[2] 10,00 [6] 6,00
Kentucky	**218,900**	**0**	**226,300**	**0**	**92,000**	**57,600**	**100,000**	**0**	**53,50**
Ashland Oil Inc.									
Catlettsburg	213,400	0	220,000	0	92,000	[11] 2,600 [12] 55,000	100,000	0	[2] 27,00 [6] 25,50
Somerset Refinery Inc.									
Somerset	5,500	0	6,300	0	0	0	0	0	[6] 1,00
Louisiana	**2,286,147**	**341,000**	**2,396,900**	**394,500**	**1,144,700**	**545,500**	**846,800**	**12,300**	**524,20**
American International Refinery Inc. *									
(Formerly Lake Charles Refining Co.)									
Lake Charles	0	27,000	0	30,000	0	0	0	0	[2] 10,80
BP Oil Corp.									
(Formerly Standard Oil Co.)									
Belle Chasse	213,640	0	218,000	0	75,000	[1] 18,000	89,000	2,300	[6] 37,50
Calcasieu Refining Co.									
Lake Charles	13,500	0	14,000	0	0	0	0	0	
Calumet Refining Co.									
Princeton	4,207	0	4,400	0	4,400	0	0	0	
Canal Refining Co.									
Church Point	8,000	0	8,800	0	0	0	0	0	[2] 1,90
Citgo Petroleum Corp.									
Lake Charles	305,000	0	330,000	0	83,000	[1] 63,000	150,000	0	[2] 71,00 [6] 20,00
Claiborne Gasoline Co.									
Lisbon	7,500	0	7,700	0	0	0	0	0	[2] 2,00
Conoco Inc.									
Egan	2,800	0	3,000	0	0	0	0	0	
Westlake	156,500	0	164,000	0	63,000	[1] 53,000 [12] 12,000	40,000	0	[2] 11,50 [6] 15,90
Endevco Inc.									
(Formerly Kerr-McGee Refining Corp.)									
Dubach	10,000	0	11,000	0	0	0	0	0	[2] 2,20
Exxon Co. U.S.A.									
Baton Rouge	455,000	0	474,000	0	205,000	[1] 90,000	155,000	0	[2] 60,00 [6] 30,00
Hill Petroleum Co.									
Krotz Springs	57,500	0	60,000	0	24,000	0	28,000	0	[6] 10,40
St.Rose	34,000	0	35,000	0	18,000	0	0	0	
Kerr-McGee Refining Corp.									
Cotton Valley	7,800	0	8,500	0	0	0	0	0	
Marathon Petroleum Co.									
Garyville	255,000	0	263,000	0	125,000	0	85,000	0	[2] 50,00

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)

(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
sas (Continued)											
nsas City	3,190	[4] 16,000	0	5,500	0	0	0	0	0	0	13
tucky	**0**	**182,300**	**10,000**	**12,000**	**30,000**	**5,400**	**12,250**	**7,900**	**20**	**0**	**200**
ettsburg	0	[3] 40,000 [4] 84,000 [5] 40,000 [9] 17,000	10,000	12,000	30,000	5,400	[8] 12,000	7,900	20	0	200
nerset	0	[4] 1,300	0	0	0	0	[8] 250	0	0	0	0
isiana	**149,000**	**1,246,275**	**5,000**	**197,500**	**67,410**	**28,633**	**112,220**	**37,090**	**182**	**60,510**	**3,087**
e Charles	0	[4] 10,800	0	0	0	0	0	0	0	0	0
le Chasse	0	[4] 42,000 [5] 46,000	0	35,000	0	16,533	0	0	0	860	56
ke Charles	0	0	0	0	0	0	0	0	0	0	0
nceton	0	[3] 4,400	0	0	910	0	0	3,490	0	0	0
urch Point	0	0	0	0	0	0	0	0	0	0	0
ke Charles	37,000	[4] 91,000 [5] 14,000 [9] 40,000	0	20,200	0	0	0	9,300	0	15,000	342
sbon	0	0	0	0	0	0	[8] 2,000	0	0	0	0
gan	0	0	0	0	0	0	0	0	0	0	0
estlake	0	[4] 33,000 [5] 109,000 [9] 13,500	0	7,500	0	2,100	0	0	0	7,000	290
ubach	0	[4] 1,675	0	0	0	0	[7] 100 [8] 120	0	1	0	0
aton Rouge	24,000	[4] 97,500 [5] 55,000 [9] 19,000	0	33,200	28,900	0	[8] 7,500	16,500	18	24,900	661
rotz Springs	0	[4] 13,000	0	0	0	0	[7] 1,500	0	0	0	10
t.Rose	0	0	0	0	0	0	0	0	0	0	0
otton Valley	0	0	0	0	0	0	0	0	0	0	0
aryville	0	[3] 71,000 [4] 50,000 [5] 40,000	0	26,400	25,000	0	[7] 7,000 [8] 9,000	0	0	0	504

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.

* Reported no inputs during 1988.

Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyt Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Louisiana (Continued)									
Mobil Oil Corp.									
(Formerly Tenneco Oil Co.)									
Chalmette	145,000	0	155,000	0	70,000	[1] 33,000	51,000	0	[2] 19,00 [6] 28,00
Murphy Oil U.S.A. Inc.									
Meraux	78,500	14,000	80,500	14,500	40,000	0	35,300	3,000	[2] 23,00
Pennzoil Products Co.									
Shreveport	46,200	0	50,000	0	24,300	0	0	0	[6] 10,00
Placid Refining Co.									
Port Allen	46,000	0	50,000	0	20,000	0	18,500	2,000	[2] 10,00
Shell Oil Co.									
Norco	215,000	0	220,000	0	78,000	[1] 21,000 [12] 103,500	0	0	[2] 38,00 [6] 18,00
Star Enterprise									
(Formerly Texaco Refining & Marketing Inc.)									
Convent	225,000	0	240,000	0	75,000	[11] 12,000	85,000	5,000	[6] 40,00
Trans America Refining Co. *									
Good Hope	0	300,000	0	350,000	240,000	[11] 140,000	110,000	0	[6] 15,00
Michigan	**113,500**	**0**	**121,000**	**0**	**38,000**	**0**	**45,000**	**1,000**	**33,00**
Crystal Refining Co.									
Carson City	3,000	0	6,000	0	0	0	0	0	
Marathon Petroleum Co.									
Detroit	68,500	0	71,000	0	38,000	0	26,000	1,000	[2] 12,50 [6] 6,50
Total Petroleum Inc.									
Alma	42,000	0	44,000	0	0	0	19,000	0	[2] 14,00
Minnesota	**247,100**	**0**	**264,220**	**0**	**167,000**	**54,000**	**78,000**	**1,000**	**55,50**
Ashland Oil Inc.									
St. Paul	67,100	0	69,220	0	32,000	0	23,000	0	[6] 23,50
Koch Refining Co.									
St. Paul	180,000	0	195,000	0	135,000	[1] 54,000	55,000	1,000	[2] 26,00 [6] 6,00
Mississippi	**368,400**	**0**	**390,900**	**0**	**273,950**	**70,500**	**72,000**	**9,000**	**96,00**
Amerada Hess Corp.									
Purvis	30,000	0	32,000	0	0	[10] 8,500	16,000	7,000	[6] 6,00

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
uisiana (Continued)											
almette	18,000	[3] 43,000 [4] 45,000 [5] 24,000	0	19,000	0	7,000	0	0	24	7,750	200
raux	0	[4] 29,000 [5] 15,000	0	8,700	12,000	0	0	0	0	0	24
reveport	0	[3] 8,200 [4] 10,000 [9] 1,200	0	0	600	0	0	7,800	6	0	13
rt Allen	0	[4] 11,000	5,000	4,000	0	0	0	0	0	0	6
rco	35,000	[3] 70,000 [4] 29,000 [9] 28,000	0	15,000	0	0	0	0	70	5,000	113
nvent	35,000	[4] 40,000 [5] 37,000 [9] 65,000	0	14,500	0	0	0	0	63	0	728
ood Hope	0	[4] 15,000 [5] 25,000	0	14,000	0	3,000	[7] 5,000 [8] 80,000	0	0	0	140
chigan	**0**	**60,300**	**0**	**8,800**	**28,000**	**0**	**1,100**	**0**	**0**	**0**	**95**
arson City	0	0	0	0	0	0	0	0	0	0	0
etroit	0	[3] 12,000 [4] 21,500 [5] 3,000	0	4,200	28,000	0	0	0	0	0	80
ma	0	[4] 18,000 [5] 2,000 [9] 3,800	0	4,600	0	0	[8] 1,100	0	0	0	15
innesota	**0**	**221,000**	**0**	**14,000**	**69,000**	**0**	**23,300**	**0**	**20**	**15,000**	**534**
t. Paul	0	[3] 23,000 [4] 32,800 [5] 7,200	0	5,500	14,000	0	[8] 8,300	0	0	0	44
t. Paul	0	[3] 66,000 [4] 41,000 [5] 51,000	0	8,500	55,000	0	[8] 15,000	0	20	15,000	490
lississippi	**68,000**	**254,000**	**0**	**20,700**	**41,700**	**5,500**	**0**	**5,000**	**217**	**17,700**	**1,260**
Purvis	0	[4] 6,000 [5] 6,000	0	4,500	0	0	0	0	0	1,700	40

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Mississippi (Continued)									
Chevron U.S.A. Inc.									
Pascagoula	295,000	0	310,000	0	243,000	[1] 62,000	56,000	2,000	[2] 57,00 [6] 33,00
Ergon Refining Inc.									
Vicksburg	20,600	0	22,000	0	17,000	0	0	0	
Petro Source Resources Inc.									
Vicksburg	6,000	0	7,900	0	7,900	0	0	0	
Southland Oil Co.									
Lumberton	5,800	0	6,500	0	0	0	0	0	
Sandersville	11,000	0	12,500	0	6,050	0	0	0	
Montana	**130,650**	**7,800**	**135,200**	**8,000**	**53,350**	**7,700**	**52,170**	**6,620**	**35,53**
Cenex									
Laurel	33,650	7,800	34,500	8,000	12,000	0	13,500	1,500	[2] 12,00
Conoco Inc.									
Billings	48,500	0	50,000	0	20,000	0	15,500	1,000	[6] 12,50
Exxon Co. U.S.A.									
Billings	42,000	0	44,000	0	18,000	[10] 7,700	21,000	3,500	[6] 10,00
Montana Refining Co.									
Great Falls	6,500	0	6,700	0	3,350	0	2,170	620	[6] 1,03
Nevada	**4,500**	**0**	**4,700**	**0**	**2,500**	**0**	**0**	**0**	
Nevada Refining Co.									
Tonopah	4,500	0	4,700	0	2,500	0	0	0	
New Jersey	**400,000**	**0**	**434,000**	**0**	**244,100**	**21,500**	**251,000**	**37,000**	**77,50**
Amerada Hess Corp.									
Port Reading	0	0	0	0	0	0	50,000	0	
Chevron U.S.A. Inc.									
Perth Amboy	80,000	0	85,000	0	46,000	0	0	0	
Coastal Eagle Point Oil Co.									
Westville	90,000	0	110,000	0	35,000	0	45,000	12,000	[2] 26,00
Exxon Co. U.S.A.									
Linden	130,000	0	135,000	0	66,000	0	120,000	25,000	[2] 28,00
Mobil Oil Corp.									
Paulsboro	100,000	0	104,000	0	62,400	[1] 21,500	36,000	0	[6] 23,50
Seaview Petroleum Inc.									
Paulsboro	0	0	0	0	34,700	0	0	0	

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
ssissippi(Continued)											
scagoula	68,000	[3] 63,000 [4] 48,000 [5] 30,000 [9] 96,000	0	16,200	20,000	5,500	0	0	215	16,000	1,220
cksburg	0	[9] 5,000	0	0	12,000	0	0	5,000	2	0	0
cksburg	0	0	0	0	0	0	0	0	0	0	0
mberton	0	0	0	0	3,575	0	0	0	0	0	0
ndersville	0	0	0	0	6,125	0	0	0	0	0	0
ontana	**4,900**	**118,270**	**4,000**	**12,180**	**26,740**	**0**	**4,650**	**0**	**19**	**2,175**	**37**
urel	0	[4] 18,000 [5] 15,000	4,000	3,780	8,000	0	[7] 1,250	0	0	0	37
lings	0	[5] 3,500 [9] 38,000	0	5,000	6,500	0	[7] 3,400	0	0	0	0
llings	4,900	[4] 15,500 [5] 20,000 [9] 6,000	0	3,400	11,000	0	0	0	19	2,175	0
reat Falls	0	[4] 1,030 [5] 1,240	0	0	1,240	0	0	0	0	0	0
evada	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
onopah	0	0	0	0	0	0	0	0	0	0	0
ew Jersey	**17,000**	**284,500**	**0**	**24,500**	**94,850**	**3,500**	**25,000**	**8,500**	**16**	**5,050**	**3,592**
ort Reading	0	0	0	5,000	0	0	0	0	0	0	10
erth Amboy	0	0	0	0	35,000	0	0	0	0	0	0
Vestville	17,000	[4] 26,000 [5] 15,000	0	4,000	0	3,500	0	0	0	0	3,000
inden	0	[3] 50,000 [4] 48,000 [5] 65,000	0	10,500	38,000	0	[8] 25,000	0	5	0	433
aulsboro	0	[4] 23,500 [5] 42,000 [9] 15,000	0	5,000	0	0	0	8,500	11	5,050	149
aulsboro	0	0	0	0	21,850	0	0	0	0	0	0

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Cataly Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
New Mexico	**75,600**	**0**	**84,607**	**0**	**13,900**	**0**	**27,100**	**6,100**	**19,20**
Bloomfield Refining Co.									
Bloomfield	16,800	0	18,107	0	0	0	5,400	500	[6] 3,40
Giant Refining Co.									
Gallup	18,000	0	19,000	0	7,900	0	7,200	3,600	[6] 6,80
Navajo Refining Co.									
Artesia	34,700	0	40,000	0	6,000	0	14,500	2,000	[6] 8,00
Thriftway Co.									
Bloomfield	6,100	0	7,500	0	0	0	0	0	[2] 1,00
New York	**41,850**	**0**	**45,000**	**0**	**27,000**	**0**	**0**	**0**	
Cibro Petroleum Products Inc.									
Albany	41,850	0	45,000	0	27,000	0	0	0	
North Carolina	**3,000**	**10,000**	**3,500**	**12,000**	**0**	**0**	**0**	**0**	
City Gas & Transmission Corp. *									
Wilmington	0	10,000	0	12,000	0	0	0	0	
GNC Energy Corp.									
Greensboro	3,000	0	3,500	0	0	0	0	0	
North Dakota	**58,000**	**0**	**60,000**	**0**	**0**	**0**	**26,000**	**5,200**	**12,10**
Amoco Oil Co.									
Mandan	58,000	0	60,000	0	0	0	26,000	5,200	[6] 12,10
Ohio	**484,600**	**0**	**507,000**	**0**	**185,000**	**30,700**	**176,000**	**17,500**	**161,60**
Ashland Oil Inc.									
Canton	66,000	0	68,000	0	33,000	0	25,000	0	[2] 20,00
BP Oil Corp.									
(Formerly Standard Oil Co.)									
Lima	167,500	0	180,000	0	54,000	[1] 17,000	36,000	0	[6] 54,00
Toledo	126,100	0	130,000	0	68,000	[1] 13,700	55,000	16,500	[6] 42,00
Sun Co Inc.									
Toledo	125,000	0	129,000	0	30,000	0	60,000	1,000	[6] 45,60
Oklahoma	**381,500**	**0**	**399,200**	**0**	**142,000**	**27,000**	**132,500**	**6,400**	**91,10**
Barrett Refining Corp.									
Thomas	10,000	0	11,200	0	0	0	0	0	
Conoco Inc.									
Ponca City	136,000	0	140,000	0	40,000	[1] 20,500	46,000	0	[6] 34,50
Kerr-McGee Refining Corp.									
Wynnewood	43,000	0	45,000	0	14,000	0	18,000	0	[6] 8,60
Sinclair Oil Corp.									
Tulsa	47,000	0	50,000	0	27,000	0	18,000	5,000	[6] 12,00
Sun Co Inc.									
Tulsa	85,000	0	90,000	0	29,000	[1] 6,500	28,000	1,400	[6] 24,00
Total Petroleum Inc.									
Ardmore	60,500	0	63,000	0	32,000	0	22,500	0	[2] 12,00

ble 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
w Mexico	**0**	**29,200**	**0**	**3,200**	**4,100**	**0**	**4,000**	**0**	**0**	**0**	**0**
omfield	0	[4] 3,400	0	0	0	0	0	0	0	0	0
llup	0	[4] 6,800	0	1,400	700	0	[8] 4,000	0	0	0	0
esia	0	[4] 10,000 [5] 9,000	0	1,800	3,400	0	0	0	0	0	0
omfield	0	0	0	0	0	0	0	0	0	0	0
w York	**0**	**0**	**0**	**0**	**13,000**	**0**	**0**	**0**	**0**	**0**	**0**
bany	0	0	0	0	13,000	0	0	0	0	0	0
rth Carolina	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
lmington	0	0	0	0	0	0	0	0	0	0	0
eensboro	0	0	0	0	0	0	0	0	0	0	0
rth Dakota	**0**	**16,600**	**0**	**3,400**	**0**	**0**	**4,000**	**0**	**0**	**0**	**17**
andan	0	[4] 16,600	0	3,400	0	0	[8] 4,000	0	0	0	17
hio	**87,200**	**194,500**	**9,000**	**25,800**	**14,500**	**16,000**	**10,693**	**3,000**	**65**	**6,190**	**245**
anton	0	[3] 23,000 [4] 26,500 [5] 7,000	0	7,000	12,000	0	[8] 6,500	0	0	0	55
ima	24,000	[4] 58,000	0	0	0	7,000	[7] 4,193	3,000	0	3,000	45
oledo	35,000	[4] 40,000	0	11,000	0	0	0	0	24	3,190	100
oledo	28,200	[4] 40,000	9,000	7,800	2,500	9,000	0	0	41	0	45
klahoma	**4,500**	**158,000**	**10,000**	**34,000**	**18,800**	**2,200**	**20,400**	**9,725**	**10**	**4,925**	**40**
homas	0	0	0	0	0	0	0	0	0	0	0
onca City	0	[4] 34,500 [5] 24,000	0	12,000	0	0	[7] 4,500	2,225	0	3,700	0
Wynnewood	4,500	[4] 10,500	4,200	5,000	5,000	0	[8] 4,000	0	10	0	0
Tulsa	0	[4] 12,000 [5] 5,000	0	3,000	3,200	0	[8] 8,000	0	0	0	20
Tulsa	0	[4] 24,000 [9] 10,000	5,800	7,000	4,600	2,200	[7] 2,800	7,500	0	1,225	0
Ardmore	0	[3] 20,000 [4] 18,000	0	7,000	6,000	0	[8] 1,100	0	0	0	20

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyti Reformir
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Oregon	**0**	**0**	**0**	**0**	**16,000**	**0**	**0**	**0**	**0**
Chevron U.S.A. Inc.									
Willbridge	0	0	0	0	16,000	0	0	0	0
Pennsylvania	**734,315**	**0**	**770,500**	**0**	**319,300**	**0**	**238,300**	**6,800**	**208,400**
Atlantic Refining & Marketing Corp.									
Philadelphia	125,000	0	130,000	0	83,000	0	29,000	0	[6] 60,000
BP Oil Corp.									
Marcus Hook	172,000	0	180,000	0	75,000	0	50,000	1,600	[2] 48,000
Chevron U.S.A. Inc.									
Philadelphia	175,000	0	180,000	0	80,000	0	53,300	5,000	[6] 34,000
Pennzoil Products Co.									
Rouseville	15,700	0	16,500	0	6,500	0	0	0	[2] 5,820
Quaker State Oil Refining Corp.									
Smethport	6,700	0	7,000	0	2,800	0	0	0	[2] 1,280
Sun Co Inc.									
Marcus Hook	170,000	0	185,000	0	46,000	0	86,000	0	[6] 41,300
United Refining Co.									
Warren	60,000	0	62,000	0	26,000	0	20,000	200	[6] 16,000
Witco Corp.									
Bradford	9,915	0	10,000	0	0	0	0	0	[6] 2,000
Tennessee	**58,000**	**0**	**60,000**	**0**	**12,000**	**0**	**30,000**	**0**	**10,000**
Mapco Petroleum Inc.									
Memphis	58,000	0	60,000	0	12,000	0	30,000	0	[2] 10,000
Texas	**3,896,950**	**182,050**	**4,133,500**	**192,800**	**1,777,700**	**373,800**	**1,583,500**	**128,300**	**1,143,500**
Amoco Oil Co.									
Texas City	420,000	0	440,000	0	200,000	[1] 41,000	195,000	43,000	[2] 63,000 [6] 97,000
Champlin Refining Co.									
Corpus Christi	130,000	0	140,000	0	75,000	[1] 29,000	68,000	2,800	[2] 52,200
Chevron U.S.A. Inc.									
El Paso	66,000	0	68,000	0	54,000	0	22,000	0	[2] 25,000
Port Arthur	329,000	0	338,000	0	163,200	[1] 34,000	110,000	6,000	[2] 44,100 [6] 23,000

31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)

(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydrocracking	Catalytic Hydrotreating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/day)
n	**0**	**0**	**0**	**0**	**11,500**	**0**	**0**	**0**	**0**	**0**	**0**
dge	0	0	0	0	11,500	0	0	0	0	0	0
sylvania	**51,000**	**479,620**	**16,000**	**47,000**	**33,000**	**12,300**	**11,950**	**20,200**	**56**	**0**	**440**
lelphia	30,000	[3] 24,000 [4] 54,000 [5] 50,000	0	0	25,000	0	0	0	45	0	203
s Hook	21,000	[3] 50,000 [4] 56,000 [5] 44,000	0	12,000	0	0	[7] 4,000	0	0	0	172
delphia	0	[4] 34,000 [5] 30,000	16,000	20,000	0	5,300	0	0	0	0	45
eville	0	[4] 6,500 [9] 7,800	0	0	0	0	[8] 1,150	4,750	4	0	0
hport	0	[4] 2,520	0	0	0	0	0	2,450	0	0	0
us Hook	0	[4] 57,500 [5] 28,800 [9] 6,000	0	12,000	0	7,000	0	10,000	7	0	0
en	0	[4] 20,000 [5] 6,000	0	3,000	8,000	0	[8] 6,800	0	0	0	20
ford	0	[4] 2,500	0	0	0	0	0	3,000	0	0	0
nessee	**0**	**35,000**	**0**	**2,500**	**0**	**0**	**0**	**0**	**0**	**0**	**45**
phis	0	[4] 15,000 [5] 16,000 [9] 4,000	0	2,500	0	0	0	0	0	0	45
as	**296,000**	**3,103,150**	**99,500**	**269,000**	**67,025**	**178,875**	**132,660**	**89,400**	**699**	**52,650**	**6,742**
as City	115,500	[3] 82,000 [4] 126,000 [5] 70,000	0	50,000	0	45,000	[8] 27,000	0	180	15,000	1,400
ous Christi	0	[3] 52,000 [4] 61,000 [5] 37,000	0	19,000	0	5,400	0	0	65	1,780	230
aso	0	[4] 25,000 [5] 18,000	0	5,500	5,500	0	[7] 3,000	0	0	0	47
Arthur	0	[3] 40,000 [4] 67,100 [5] 98,000 [9] 13,900	0	16,900	0	12,500	[8] 7,200	10,000	0	9,200	532

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.

* Reported no inputs during 1988.

Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Cataly Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Texas (Continued)									
Coastal Refining & Marketing Inc.									
Corpus Christi	90,000	0	95,000	0	45,000	[11] 11,000 [1] 12,000	18,500	0	[6] 28,50
Crown Central Petroleum Corp.									
Pasadena	100,000	0	103,000	0	38,000	[1] 12,500	56,000	0	[2] 23,00 [6] 13,00
Diamond Shamrock Refining & Marketing Co.									
Sunray	105,000	0	107,000	0	45,000	0	45,000	0	[2] 30,00
Three Rivers	51,000	0	53,000	0	20,000	0	20,500	0	[2] 10,50
Donna Refinery Partners Ltd.									
Donna	E 4,750	0	E 5,000	0	0	0	0	0	
El Paso Refining Co. Ltd.									
El Paso	25,500	0	27,000	0	0	[1] 4,000	7,000	1,000	[6] 6,00
Exxon Co. U.S.A.									
Baytown	426,000	67,000	448,000	69,000	258,000	[12] 28,000	155,000	15,000	[2] 123,00
Fina Oil & Chemical Co.									
Big Springs	55,000	0	60,000	0	25,000	[11] 3,500	23,000	0	[2] 20,00
Port Arthur	110,000	0	115,000	0	50,000	0	36,000	0	[2] 35,00
Hill Petroleum Co.									
Houston	65,000	0	71,000	0	30,000	0	55,000	0	[6] 13,50
Hill Petroleum Co. (Formerly Texas City Refining Inc.)									
Texas City	119,600	0	130,000	0	54,000	[11] 19,000	43,500	0	[2] 12,00 [6] 11,00
Howell Hydrocarbons Corp.									
San Antonio	1,500	3,000	2,000	3,000	0	0	0	0	[6] 1,20
Koch Refining Co.									
Corpus Christi	125,000	0	130,000	0	42,000	[1] 12,000	42,500	800	[2] 48,00
La Gloria Oil & Gas Co.									
Tyler	46,000	0	49,500	0	14,000	[1] 9,300	18,000	800	[2] 12,00 [6] 4,60
Leal Petroleum Corp.									
Nixon	15,900	5,000	17,100	7,500	0	0	0	0	
Lyondell Petrochemical Co.									
Houston	285,000	0	314,000	0	127,000	[1] 45,000	85,000	0	[2] 25,00 [6] 83,00
Marathon Petroleum Co.									
Texas City	69,500	0	74,000	0	27,000	0	37,000	0	[6] 10,50
Mobil Oil Corp.									
Beaumont	275,000	0	290,000	0	86,000	[1] 29,500	102,000	0	[2] 46,00 [6] 57,00

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
as (Continued)											
us Christi	11,000	[3] 25,000 [4] 32,000 [5] 24,000	0	3,000	5,000	11,000	[8] 5,200	0	24	3,250	85
adena	0	[4] 28,000 [5] 7,000	0	10,000	0	2,000	0	0	0	1,500	16
ay	20,000	[4] 35,000	15,000	10,000	6,000	0	0	0	0	0	45
e Rivers	0	[4] 11,000	7,000	6,000	500	0	0	1,000	0	0	0
na	0	0	0	0	0	0	0	0	0	0	0
aso	0	[4] 6,000	0	2,400	0	0	[7] 700	0	0	300	0
own	19,000	[3] 95,000 [4] 162,500 [5] 223,000 [9] 44,100	35,000	29,000	7,000	0	0	31,200	85	500	1,238
Springs	0	[3] 6,000 [4] 25,000 [5] 11,000	10,000	6,000	5,500	0	0	0	0	0	50
Arthur	18,500	[4] 40,000 [5] 32,000 [9] 15,000	18,000	4,500	2,000	9,500	[8] 8,000	0	0	0	170
ston	0	[4] 16,000 [5] 30,000	10,500	5,500	5,000	2,500	0	0	0	0	200
as City	0	[4] 23,000 [5] 29,000	0	6,200	0	0	0	0	0	0	27
Antonio	0	0	0	0	0	1,200	0	0	0	0	0
pus Christi	0	[4] 54,000 [5] 9,000	0	8,400	0	12,450	0	0	0	2,000	50
er	0	[4] 20,000 [5] 7,500	0	4,700	0	0	[7] 500 [8] 4,000	0	17	1,200	11
on	0	[4] 9,500 [5] 8,000 [9] 1,000	0	0	0	0	[7] 1,000 [8] 1,000	0	0	0	0
uston	0	[3] 82,000 [4] 132,000 [5] 93,000 [9] 6,600	0	0	0	36,000	0	6,600	0	10,900	392
xas City	0	0	0	10,000	0	2,500	0	0	0	0	0
aumont	32,000	[4] 92,000 [5] 116,000 [9] 5,650	0	13,000	0	0	[8] 20,000	9,400	60	7,020	110

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catal Reform
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Texas (Continued)									
Petrolite Corp.									
Kilgore	1,000	0	1,400	0	400	0	0	0	
Phillips 66 Co.									
Borger	105,000	0	110,000	0	0	0	60,000	10,400	[6] 26,0
Sweeny	175,000	0	195,000	0	83,000	0	87,000	12,000	[6] 36,0
Pride Refining Inc.									
Abilene	28,500	14,250	30,000	15,000	12,500	0	0	0	
Shell Oil Co.									
Deer Park	215,900	0	227,000	0	89,500	[11] 55,000 [12] 19,000	65,000	5,000	[2] 43,0 [6] 20,0
Odessa	28,600	0	29,500	0	10,000	0	10,500	0	[6] 11,0
South Hampton Refining Co.									
Silsbee	0	0	0	0	0	0	0	0	[2] 4
Southwestern Refining Co. Inc.									
Corpus Christi	104,000	0	108,000	0	36,000	0	52,000	0	[6] 30,0
Star Enterprise									
(Formerly Texaco Refining & Marketing Inc.)									
Port Arthur/Port Neches	250,000	0	278,000	0	143,100	0	110,000	31,500	[2] 40,0
Trifinery*									
Corpus Christi	0	27,000	0	29,000	15,000	[11] 10,000	0	0	
Unocal Corp.									
Nederland	74,200	45,800	78,000	48,300	13,000	0	0	0	[2] 20,0
Valero Refining Co.									
Corpus Christi	0	20,000	0	21,000	22,000	0	60,000	0	
Utah	**154,500**	**0**	**160,000**	**0**	**45,500**	**8,500**	**49,400**	**9,600**	**28,5**
Amoco Oil Co.									
Salt Lake City	40,000	0	41,500	0	0	0	18,000	4,000	[6] 7,6
Big West Oil Co.									
North Salt Lake	24,000	0	25,000	0	3,800	0	5,000	1,500	[6] 5,0
Chevron U.S.A. Inc.									
Salt Lake City	45,000	0	46,000	0	35,500	[1] 8,500	18,000	1,000	[6] 5,5
Crysen Refining Inc.									
Woods Cross	12,500	0	13,000	0	3,000	0	0	0	[2] 2,4
Pennzoil Products Co.									
Roosevelt	8,000	0	8,500	0	0	0	0	500	[6] 2,0
Phillips 66 Co.									
Woods Cross	25,000	0	26,000	0	3,200	0	8,400	2,600	[6] 6,0

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
as (Continued)											
re	0	0	0	0	125	0	0	0	0	0	0
er	0	[4] 26,500 [5] 40,000 [9] 50,000	0	14,000	0	0	[7] 11,000 [8] 24,600	0	50	0	381
eny	0	[4] 53,000 [5] 50,000 [9] 75,000	0	10,500	0	5,575	[8] 16,900	0	80	0	420
ene	0	0	0	0	0	0	0	0	0	0	0
r Park	65,000	[3] 45,000 [4] 64,000 [5] 77,000 [9] 49,000	4,000	8,100	5,900	20,000	0	10,700	65	0	577
ssa	0	[4] 11,000	0	3,300	0	350	0	0	0	0	0
bee	0	[4] 1,700 [5] 500 [9] 500	0	0	0	400	[8] 560	0	1	0	0
pus Christi	0	[3] 18,000 [4] 40,000 [5] 27,000	0	4,500	0	6,500	0	0	0	0	129
t Arthur/Port Neches	15,000	[4] 40,000 [5] 80,000 [9] 18,500	0	9,000	14,000	0	0	17,400	0	0	262
pus Christi	0	0	0	0	8,000	0	0	0	0	0	0
derland	0	[4] 30,600	0	0	2,500	6,000	0	3,100	0	0	0
pus Christi	0	[9] 60,000	0	9,500	0	0	[8] 2,000	0	72	0	370
h	**0**	**39,250**	**5,000**	**11,400**	**3,200**	**0**	**6,350**	**0**	**0**	**1,750**	**13**
t Lake City	0	[4] 7,650	0	4,000	0	0	[7] 1,400	0	0	0	0
rth Salt Lake	0	[4] 6,000	0	1,000	0	0	[7] 600 [8] 1,000	0	0	0	0
t Lake City	0	[4] 5,500 [5] 5,500	0	4,300	0	0	[7] 750	0	0	1,750	13
ods Cross	0	0	0	0	1,500	0	0	0	0	0	0
osevelt	0	[4] 2,000	0	0	0	0	0	0	0	0	0
ods Cross	0	[4] 11,000 [5] 1,600	5,000	2,100	1,700	0	[8] 2,600	0	0	0	0

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalyt Reformi
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Virginia	**54,700**	**0**	**57,000**	**0**	**29,000**	**13,500**	**27,000**	**2,000**	**9,75**
Amoco Oil Co.									
Yorktown	51,000	0	53,000	0	29,000	[1] 13,500	27,000	2,000	[2] 9,75
Primary Oil & Energy Corp.									
Chester	3,700	0	4,000	0	0	0	0	0	
Washington	**453,400**	**11,900**	**471,000**	**12,754**	**219,000**	**70,000**	**102,500**	**13,000**	**121,80**
Arco Products Co.									
Ferndale	163,000	0	170,000	0	95,000	[1] 50,000	0	0	[2] 58,00
BP Oil Corp.									
(Formerly Mobil Oil Corp.)									
Ferndale	77,400	0	79,000	0	28,000	0	25,500	2,000	[2] 11,80
Chevron U.S.A. Inc.									
Richmond Beach	0	0	0	0	6,000	0	0	0	
Shell Oil Co.									
Anacortes	84,000	0	88,000	0	36,000	0	41,000	7,000	[2] 25,00
Sound Refining Inc.									
Tacoma	0	11,900	0	12,754	6,000	0	0	0	
Texaco Refining & Marketing Inc.									
Anacortes	97,000	0	100,000	0	30,000	[1] 20,000	36,000	4,000	[6] 21,00
U.S. Oil & Refining Co.									
Tacoma	32,000	0	34,000	0	18,000	0	0	0	[6] 6,00
West Virginia	**16,808**	**0**	**17,500**	**0**	**8,175**	**0**	**0**	**0**	**5,30**
Mid Atlantic Fuels Inc.									
St. Mary's	4,658	0	5,000	0	2,175	0	0	0	[6] 1,60
Quaker State Oil Refining Corp.									
Newell	12,150	0	12,500	0	6,000	0	0	0	[2] 3,70
Wisconsin	**32,000**	**0**	**34,000**	**0**	**20,500**	**0**	**12,600**	**1,000**	**8,00**
Murphy Oil U.S.A. Inc.									
Superior	32,000	0	34,000	0	20,500	0	12,600	1,000	[2] 8,00
Wyoming	**169,725**	**0**	**175,750**	**0**	**75,000**	**9,000**	**62,000**	**12,200**	**32,25**
Amoco Oil Co.									
Casper	40,000	0	41,000	0	16,000	0	13,500	2,700	[6] 7,00
Frontier Refining Co.									
Cheyenne	38,670	0	40,750	0	17,000	[1] 9,000	12,000	500	[2] 6,50
Little America Refining Co.									
Evansville	24,500	0	25,500	0	12,000	0	10,500	5,000	[6] 6,00
Sinclair Oil Corp.									
Sinclair	54,000	0	55,000	0	30,000	0	21,000	1,000	[6] 10,00

le 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
nia	**0**	**25,250**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5,100**	**73**
town	0	[4] 9,750 [5] 15,500	0	0	0	0	0	0	0	5,100	73
ster	0	0	0	0	0	0	0	0	0	0	0
hington	**52,000**	**204,300**	**20,000**	**24,800**	**16,000**	**0**	**2,750**	**0**	**80**	**17,500**	**278**
dale	52,000	[4] 38,000 [5] 18,000	0	0	0	0	0	0	80	12,500	180
dale	0	[4] 13,500 [5] 15,000	0	5,900	0	0	0	0	0	0	21
mond Beach	0	0	0	0	5,000	0	0	0	0	0	0
cortes	0	[3] 7,500 [4] 32,000 [5] 20,500	15,500	10,900	0	0	[7] 2,750	0	0	0	0
oma	0	0	0	0	3,000	0	0	0	0	0	0
cortes	0	[4] 22,000 [5] 13,000 [9] 15,000	4,500	8,000	0	0	0	0	0	5,000	70
oma	0	[3] 3,800 [4] 6,000	0	0	8,000	0	0	0	0	0	7
st Virginia	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6,212**	**1**	**0**	**0**
Mary's	0	0	0	0	0	0	0	1,156	0	0	0
vell	0	0	0	0	0	0	0	5,056	1	0	0
sconsin	**0**	**14,800**	**0**	**1,600**	**13,500**	**0**	**0**	**0**	**0**	**0**	**14**
perior	0	[4] 9,000 [5] 5,800	0	1,600	13,500	0	0	0	0	0	14
oming	**0**	**48,800**	**0**	**9,650**	**16,950**	**0**	**3,500**	**1,600**	**0**	**1,450**	**42**
sper	0	[4] 7,100	0	2,500	550	0	0	1,600	0	0	0
eyenne	0	[4] 7,500 [5] 4,500	0	2,750	7,000	0	[7] 1,500	0	0	450	24
ansville	0	[5] 3,700	0	0	4,400	0	0	0	0	0	0
clair	0	[4] 14,000 [5] 12,000	0	3,500	5,000	0	[7] 2,000	0	0	1,000	18

[1] Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
[7] C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil

E = Estimated. MMcfd = Million cubic feet per day.
* Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reformin
	Operating	Idle	Operating	Idle			Fresh	Recycled	
Wyoming (Continued)									
Wyoming Refining Co.									
Newcastle	12,555	0	13,500	0	0	0	5,000	3,000	[6] 2,750
U.S. Total	**15,011,824**	**643,050**	**15,850,309**	**717,674**	**7,225,225**	**2,072,900**	**5,324,320**	**325,845**	**3,910,880**
Puerto Rico	**85,000**	**0**	**87,000**	**0**	**45,000**	**0**	**0**	**0**	**72,800**
Phillips Puerto Rico Core Inc.									
Guayama	0	0	0	0	0	0	0	0	[2] 38,400 [6] 14,400
Sun Co Inc.									
Yabucoa	85,000	0	87,000	0	45,000	0	0	0	[2] 20,000
Virgin Islands	**470,000**	**75,000**	**510,000**	**85,000**	**215,000**	**85,000**	**0**	**0**	**115,000**
Amerada Hess Corp.									
St. Croix	470,000	75,000	510,000	85,000	215,000	[11] 85,000	0	0	[2] 90,000 [6] 25,000

e 31. Capacity of Operable Petroleum Refineries by State as of January 1, 1989 (Continued)
(Barrels per Stream Day, Except Where Noted)

Location	Downstream Charge Capacity (Cont.)			Production Capacity							
	Catalytic Hydro-cracking	Catalytic Hydro-treating	Fuels Solvent Deasphalting	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
ning (Continued)											
astle	0	0	0	900	0	0	0	0	0	0	0
Total	**1,237,690**	**9,439,895**	**244,500**	**1,015,030**	**822,788**	**289,547**	**468,723**	**229,662**	**2,501**	**332,671**	**28,369**
to Rico	**15,600**	**80,000**	**0**	**0**	**0**	**15,000**	**0**	**9,500**	**19**	**0**	**68**
ama	0	[4] 50,000	0	0	0	15,000	0	0	0	0	0
coa	15,600	[3] 10,000 [4] 20,000	0	0	0	0	0	9,500	19	0	68
n Islands	**0**	**420,000**	**0**	**0**	**0**	**35,000**	**18,000**	**0**	**0**	**0**	**580**
roix	0	[3] 130,000 [4] 125,000 [5] 165,000	0	0	0	35,000	[8] 18,000	0	0	0	580

Delayed Coking [2] Low Pressure [3] Heavy Gas Oil [4] Naph./Ref. Feeds [5] Distillate [6] High Pressure
C_4 [8] C_5 and C_6 [9] Other/Residual [10] Fluid Coking [11] Visbreaking [12] Other/Gas Oil
E = Estimated. MMcfd = Million cubic feet per day.
Reported no inputs during 1988.
Source: Form EIA-820, "Annual Refinery Report."

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1989

Refiner	Barrels per Calendar Day
Companies with Capacity Over 100,000 B/CD	
Chevron U.S.A. Inc.	**1,660,000**
El Segundo, California	330,000
Port Arthur, Texas	329,000
Pascagoula, Mississippi	295,000
Richmond, California	270,000
Philadelphia, Pennsylvania	175,000
Perth Amboy, New Jersey	80,000
El Paso, Texas	66,000
Honolulu, Hawaii	48,000
Salt Lake City, Utah	45,000
Kenai, Alaska	22,000
Exxon Co. U.S.A.	**1,248,000**
Baytown, Texas	493,000
Baton Rouge, Louisiana	455,000
Linden, New Jersey	130,000
Benicia, California	128,000
Billings, Montana	42,000
Shell Oil Co.	**1,082,600**
Wood River, Illinois	274,000
Deer Park, Texas	215,900
Norco, Louisiana	215,000
Martinez, California	140,100
Carson, California	125,000
Anacortes, Washington	84,000
Odessa, Texas	28,600
Amoco Oil Co.	**987,000**
Texas City, Texas	420,000
Whiting, Indiana	350,000
Mandan, North Dakota	58,000
Yorktown, Virginia	51,000
Salt Lake City, Utah	40,000
Casper, Wyoming	40,000
Savannah, Georgia	28,000
Mobil Oil Corp.	**823,000**
Beaumont, Texas	275,000
Joliet, Illinois	180,000
Chalmette, Louisiana [1]	145,000
Torrance, California	123,000
Paulsboro, New Jersey	100,000
BP America Inc.	**756,640**
BP Oil Corp.	
Belle Chasse, Louisiana [2]	213,640
Marcus Hook, Pennsylvania	172,000
Lima, Ohio [2]	167,500
Toledo, Ohio [2]	126,100
Ferndale, Washington [3]	77,400
Atlantic Richfield Co.	**686,000**
Arco Products Co.	
Los Angeles, California	214,000
Ferndale, Washington	163,000
Lyondell Petrochemical Co.	
Houston, Texas	285,000
Arco Alaska Inc.	
Anchorage, Alaska	12,000
Prudhoe Bay, Alaska	12,000
Star Enterprise [4]	**615,000**
Port Arthur/Port Neches, Texas	250,000
Convent, Louisiana	225,000
Delaware City, Delaware	140,000
U.S. Steel Corp.	**553,000**
Marathon Petroleum Co.	
Garyville, Louisiana	255,000
Robinson, Illinois	160,000
Texas City, Texas	69,500
Detroit, Michigan	68,500
Unocal Corp.	**487,900**
Lemont, Illinois	147,000
Nederland, Texas	120,000
Wilmington, California	108,000
Rodeo, California	71,900
Arroyo Grande, California	41,000
E I Du Pont De Nemours & Co.	**397,300**
Conoco Inc.	
Westlake, Louisiana	156,500
Ponca City, Oklahoma	136,000
Billings, Montana	48,500
Commerce City, Colorado	44,000
Santa Maria, California	9,500
Egan, Louisiana	2,800
Sun Co Inc.	**380,000**
Marcus Hook, Pennsylvania	170,000
Toledo, Ohio	125,000
Tulsa, Oklahoma	85,000
Ashland Oil Inc.	**346,500**
Catlettsburg, Kentucky	213,400
St. Paul, Minnesota	67,100
Canton, Ohio	66,000
Citgo Petroleum Corp./Petroleos De Venezuela	
Citgo Petroleum Corp.	
Lake Charles, Louisiana	**305,000**
Koch Industries Inc.	**305,000**
Koch Refining Co.	
St. Paul, Minnesota	180,000
Corpus Christi, Texas	125,000
Phillips 66 Co.	**305,000**
Sweeny, Texas	175,000
Borger, Texas	105,000
Woods Cross, Utah	25,000
Trans America Refining Co.	
Good Hope, Louisiana	**300,000**
Texaco Refining & Marketing Inc.	**279,000**
Anacortes, Washington	97,000
El Dorado, Kansas	78,000
Wilmington, California	57,000
Bakersfield, California	47,000
Solomon Inc.	**276,100**
Hill Petroleum Co.	
Texas City, Texas [5]	119,600
Houston, Texas	65,000
Krotz Springs, Louisiana	57,500
St.Rose, Louisiana	34,000

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1989 (Continued)

Refiner	Barrels per Calendar Day
Coastal Corp., The	265,800
Coastal Eagle Point Oil Co.	
Westville, New Jersey	90,000
Coastal Refining & Marketing Inc.	
Corpus Christi, Texas	90,000
Derby Refining Co.	
El Dorado, Kansas	30,400
Wichita, Kansas	28,800
Belcher Refining Co.	
Chickasaw, Alabama	26,600
Total Petroleum Inc.	184,100
Ardmore, Oklahoma	60,500
Arkansas City, Kansas	53,600
Alma, Michigan	42,000
Colorado Refining Co.	
Commerce City, Colorado	28,000
Fina Oil & Chemical Co.	165,000
Port Arthur, Texas	110,000
Big Springs, Texas	55,000
Diamond Shamrock Refining & Marketing Co.	156,000
Sunray, Texas	105,000
Three Rivers, Texas	51,000
Kerr-McGee Corp.	154,800
Southwestern Refining Co. Inc.	
Corpus Christi, Texas	104,000
Kerr-McGee Refining Corp.	
Wynnewood, Oklahoma	43,000
Cotton Valley, Louisiana	7,800
Mapco Petroleum Inc.	148,000
North Pole, Alaska	90,000
Memphis, Tennessee	58,000
Petroleos De Venezuela	
Champlin Refining Co.	
Corpus Christi, Texas	130,000
Horsham Corp. [6]	128,200
Clark Oil & Refining Corp.	
Blue Island, Illinois	64,600
Hartford, Illinois	63,600
Tosco Corp.	
Martinez, California	126,000
Sinclair Oil Corp.	125,500
Sinclair, Wyoming	54,000
Tulsa, Oklahoma	47,000
Little America Refining Co.	
Evansville, Wyoming	24,500
Atlantic Refining & Marketing Corp.	
Philadelphia, Pennsylvania	125,000
Murphy Oil U.S.A. Inc.	124,500
Meraux, Louisiana	92,500
Superior, Wisconsin	32,000
Total	**13,625,940**

Refiner	Barrels per Calendar Day
Companies with Capacity 30,001 to 100,000 B/CD	
Crown Central Petroleum Corp.	
Pasadena, Texas	100,000
Farmland Industries Inc.	82,900
Coffeyville, Kansas	56,500
Phillipsburg, Kansas	26,400
LL&E Petroleum Marketing Inc.	
Saraland, Alabama	80,000
Pacific Resources Inc.	
Hawaiian Independent Refinery Inc.	
Ewa Beach, Hawaii	78,500
National Cooperative Refinery Association	
McPherson, Kansas	75,600
Tesoro Petroleum Corp.	
Kenai, Alaska	72,000
Pennzoil Products Co.	69,900
Shreveport, Louisiana	46,200
Rouseville, Pennsylvania	15,700
Roosevelt, Utah	8,000
United Refining Inc. [7]	69,500
United Refining Co.	
Warren, Pennsylvania	60,000
Vulcan Refining Co.	
Cordova, Alabama	9,500
American Ultramar Ltd.	
Ultramar Refining [8]	
Wilmington, California	65,000
Coastal Corp./Sinochem	
Pacific Refining Co.	
Hercules, California	55,000
Pauley Petroleum Inc.	52,000
Fletcher Oil & Refining Co.	
Carson, California	29,500
Newhall Refining Co. Inc.	
Newhall, California	22,500
Rock Island Refining Corp.	
Indianapolis, Indiana	49,000
Lion Oil Co.	
El Dorado, Arkansas	48,000
Paramount Acquisition Corp.	
Paramount Petroleum Corp.	
Paramount, California	46,500
Placid Oil Co.	
Placid Refining Co.	
Port Allen, Louisiana	46,000
Texas Eastern Corp.	
La Gloria Oil & Gas Co.	
Tyler, Texas	46,000

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1989 (Continued)

Refiner	Barrels per Calendar Day
Pride Refining Inc.	
Abilene, Texas	42,750
Thrifty Oil Co.	
Golden West Refining Co.	
Santa Fe Springs, California	42,000
Cirillo Brothers Oil Co.	
Cibro Petroleum Products Inc.	
Albany, New York	41,850
Sulfur Mountain Corp. [9]	
Edgington Oil Co.	
Long Beach, California	41,600
Cenex	
Laurel, Montana	41,450
Holly Corp.	41,200
Navajo Refining Co.	
Artesia, New Mexico	34,700
Montana Refining Co.	
Great Falls, Montana	6,500
Frontier Refining Co.	
Cheyenne, Wyoming	38,670
Sargent Holdings Ltd.	
Powerine Oil Co.	
Santa Fe Springs, California	35,000
Hunt Oil Co.	
Tuscaloosa, Alabama	33,500
Gary Energy Corp.	32,000
Bloomfield Refining Co.	
Bloomfield, New Mexico	16,800
Western Slope Refining Co. [10] *	
Fruita, Colorado	15,200
Time Oil Co.	
U.S. Oil & Refining Co.	
Tacoma, Washington	32,000
Total	**1,457,920**
Companies with Capacity 10,001 to 30,000 B/CD	
Amerada Hess Corp.	
Purvis, Mississippi	30,000
American International Petroleum Corp.	
American International Refinery Inc. [11] *	
Lake Charles, Louisiana	27,000
Petroserve Ltd.	
Trifinery	
Corpus Christi, Texas	27,000
El Paso Refining Co. Ltd.	
El Paso, Texas	25,500
Crysen Corp.	24,400
Crysen Refining Inc.	
Woods Cross, Utah	12,500
Sound Refining Inc.	
Tacoma, Washington	11,900
San Joaquin Refining Co. Inc.	
Bakersfield, California	24,300
Flying J Petroleum Inc.	
Big West Oil Co.	
North Salt Lake, Utah	24,000
Kern Oil & Refining Co.	
Bakersfield, California	21,400
Indiana Farm Bureau Cooperative Association	
Mount Vernon, Indiana	21,200
Leal Petroleum Corp.	
Nixon, Texas	20,900
Ergon Inc.	
Ergon Refining Inc.	
Vicksburg, Mississippi	20,600
Valero Refining Co.	
Corpus Christi, Texas	20,000
Quaker State Oil Refining Corp.	18,850
Newell, West Virginia	12,150
Smethport, Pennsylvania	6,700
Giant Refining Co.	
Gallup, New Mexico	18,000
VGS Corp.	16,800
Southland Oil Co.	
Sandersville, Mississippi	11,000
Lumberton, Mississippi	5,800
Chemoil Refining Corp. [12]	
Long Beach, California	14,200
Huntway Refining Co.	14,100
Benicia, California	8,600
Wilmington, California	5,500
Calcasieu Refining Co.	
Lake Charles, Louisiana	13,500
Wyoming Refining Co.	
Newcastle, Wyoming	12,555
World Oil Co.	
Sunland Refining Corp.	
Bakersfield, California	12,000
Total	**406,305**

See footnotes at end of table.

Table 32. Refiners' Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 1989 (Continued)

Refiner	Barrels per Calendar Day
Companies with Capacity 10,000 B/CD or Less	
Barrett Refining Corp.	
Thomas, Oklahoma	10,000
City Gas & Transmission Corp.	
Wilmington, North Carolina	10,000
Endevco Inc. [13]	
Dubach, Louisiana	10,000
Witco Corp.	
Bradford, Pennsylvania	9,915
Gibson Oil & Refining Co. Inc.	
Bakersfield, California	9,600
Asphalt Materials [14]	
Laketon Refining Corp.	
Laketon, Indiana	8,700
Lunday Thagard Co.	
South Gate, California	8,100
Anchor Gasoline Corp.	
Canal Refining Co.	
Church Point, Louisiana	8,000
Claiborne Gasoline Co.	
Lisbon, Louisiana	7,500
Petro Star	
North Pole, Alaska	7,000
Moore & Munger Marketing & Refining Inc.	
Cross Oil & Refining Co. of Arkansas	
Smackover, Arkansas	6,700
Thriftway Co.	
Bloomfield, New Mexico	6,100
Transcontinental Energy Corp.	
Petro Source Resources Inc.	
Vicksburg, Mississippi	6,000
Somerset Refinery Inc.	
Somerset, Kentucky	5,500
Young Refining Corp.	
Douglasville, Georgia	5,079
Donna Refinery Partners Ltd.	
Donna, Texas	4,750
Mid Atlantic Fuels Inc.	
St. Mary's, West Virginia	4,658
Howell Hydrocarbons Corp.	
San Antonio, Texas	4,500
Nevada Refining Co.	
Tonopah, Nevada	4,500
Calumet Refining Co.	
Princeton, Louisiana	4,207
Oil Holding Inc.	
Tenby Inc. [15]	
Oxnard, California	4,000
Warrior Asphalt Refining Corp.	
Holt, Alabama	4,000
Martin Gas Sales Inc.	
Berry Petroleum Co.	
Stephens, Arkansas	3,700
Primary Oil & Energy Corp.	
Chester, Virginia	3,700
B-T Energy Corp.	
GNC Energy Corp.	
Greensboro, North Carolina	3,000
Crystal Refining Co.	
Carson City, Michigan	3,000
Kentucky Oil & Refining Co.	
Troy, Indiana	1,500
Petrolite Corp.	
Kilgore, Texas	1,000
Total	164,709
U.S. Total	15,654,874

[1] Formerly Tenneco Oil Co.
[2] Formerly Standard Oil Co.
[3] Formerly Mobil Oil Corp.
[4] Formerly Texaco Refining & Marketing Inc.
[5] Formerly Texas City Refining Inc.
[6] Formerly Apex Oil Co.
[7] Formerly Coral Petroleum Co.
[8] Formerly Union Pacific Resources Co.
[9] Formerly Triad Terminal Corp.
[10] Formerly Gary Energy Corp.
[11] Formerly Lake Charles Refining Co.
[12] Formerly Macmillan Petroleum Co.
[13] Formerly Kerr-McGee Refining Corp.
[14] Formerly Young Refining Corp.
[15] Formerly Oxnard Refinery
* Refinery was reactivated January 1, 1989.
Source: Form EIA-820, "Annual Refinery Report."

Table 33. Operable Crude and Downstream Charge Capacity of Petroleum Refineries, January 1, 1981 to January 1, 1990
(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Atmospheric Crude Oil Distillation	Downstream Charge Capacity							
		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrotreating	
				Fresh	Recycled				
Jan 1, 1981	19,763	7,033	1,587	5,543	594	4,098	909	8,487	
Jan 1, 1982	19,018	7,197	1,782	5,474	562	3,966	892	8,539	
Jan 1, 1983	17,871	7,180	1,715	5,402	488	3,918	883	8,354	
Jan 1, 1984	17,059	7,165	1,852	5,310	492	3,907	952	9,009	
Jan 1, 1985	16,504	6,998	1,858	5,232	507	3,750	1,053	8,897	
Jan 1, 1986	16,346	6,892	1,880	5,214	463	3,744	1,125	8,791	
Jan 1, 1987	16,460	6,935	1,928	5,251	466	3,805	1,189	9,083	
Jan 1, 1988	16,825	7,198	2,080	5,424	381	3,891	1,202	9,170	
Jan 1, 1989	**16,568**	**7,225**	**2,073**	**5,324**	**326**	**3,911**	**1,238**	**9,440**	
PADD I	1,525	723	81	581	51	357	87	902	
PADD II	3,428	1,364	376	1,235	59	914	162	1,920	
PADD III	7,814	3,284	1,002	2,548	156	1,818	513	4,710	
PADD IV	571	207	29	187	29	116	10	236	
PADD V	3,231	1,649	585	773	30	706	465	1,671	
Jan 1, 1990	**16,638**	**7,255**	**2,073**	**5,346**	**325**	**3,919**	**1,254**	**9,456**	
PADD I	1,525	735	81	581	51	357	87	902	
PADD II	3,434	1,364	376	1,236	59	914	162	1,925	
PADD III	7,864	3,297	1,002	2,568	156	1,826	526	4,721	
PADD IV	571	207	29	187	29	116	10	236	
PADD V	3,245	1,652	585	774	30	706	469	1,671	
1989-1990	**70**	**30**	**0**	**21**	**-1**	**8**	**16**	**16**	
(Net Change)									
PADD I	0	13	0	0	0	0	0	0	
PADD II	6	0	0	1	0	0	0	6	
PADD III	51	14	0	20	-1	8	13	11	
PADD IV	0	0	0	0	0	(s)	0	0	
PADD V	14	3	0	(s)	0	0	4	0	

NA = Not Available.
(s) = Less than 500 barrels per stream day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Form EIA-820, "Annual Refinery Report."

Table 34. Operable Production Capacity of Petroleum Refineries, January 1, 1981 to January 1, 1990
(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Production Capacity							
	Alkylates	Asphalt	Aromatics	Isomers	Lubricants	Hydrogen (MMcfd)	Marketable Petroleum Coke	Sulfur (short tons/ day)
Jan 1, 1981	974	765	299	131	234	2,054	276	NA
Jan 1, 1982	984	740	290	162	242	1,944	267	NA
Jan 1, 1983	960	722	237	212	241	2,298	296	NA
Jan 1, 1984	945	800	218	208	241	2,444	407	NA
Jan 1, 1985	917	767	215	219	243	2,572	424	NA
Jan 1, 1986	941	804	276	258	246	2,357	356	NA
Jan 1, 1987	974	788	287	326	250	2,569	364	23,806
Jan 1, 1988	993	788	289	465	232	2,418	368	27,639
Jan 1, 1989	**1,015**	**823**	**290**	**469**	**230**	**2,501**	**333**	**28,369**
PADD I	80	165	19	37	35	113	21	4,455
PADD II	260	264	54	140	32	154	70	3,429
PADD III	495	214	213	255	135	1,108	133	11,250
PADD IV	34	51	0	16	2	25	5	128
PADD V	146	130	3	21	27	1,101	103	9,107
Jan 1, 1990	**1,029**	**824**	**292**	**473**	**230**	**2,531**	**333**	**28,532**
PADD I	80	165	19	37	35	114	21	4,455
PADD II	260	264	55	144	32	182	70	3,429
PADD III	504	214	214	255	135	1,109	133	11,413
PADD IV	34	51	0	16	2	25	5	128
PADD V	151	131	3	21	27	1,101	103	9,107
1989-1990	**14**	**2**	**3**	**4**	**1**	**30**	**(s)**	**163**
(Net Change)								
PADD I	0	0	0	0	0	1	0	0
PADD II	0	0	1	4	1	28	0	0
PADD III	9	0	1	(s)	0	1	(s)	163
PADD IV	0	0	0	0	0	0	0	0
PADD V	5	2	0	0	0	0	0	0

NA = Not Available. MMcfd = Million cubic feet per day.
(s) = Less than 500 barrels per stream day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Form EIA-820, "Annual Refinery Report."

Table 35. **Working Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1989**
(Thousand Barrels)

District and State	Crude Oil	Products						
		Motor Gasoline			Gasoline Blending Components	Middle Distillates	Residual Fuel Oil	Aspha and Ro Oil
		Finished Leaded	Finished Unleaded	Total				
PAD District I	**23,508**	**2,874**	**13,839**	**16,713**	**9,819**	**23,748**	**12,845**	**4,75**
New Jersey	8,119	1,380	7,513	8,893	4,463	11,871	6,682	1,82
Pennsylvania	9,907	842	2,988	3,830	3,122	3,784	2,165	1,09
Other States [3]	5,482	652	3,338	3,990	2,234	8,093	3,998	1,83
PAD District II	**24,740**	**9,001**	**16,726**	**25,727**	**15,968**	**23,654**	**5,776**	**11,19**
Illinois	6,854	2,300	4,144	6,444	4,650	6,392	1,693	1,93
Indiana	2,536	632	2,279	2,911	2,479	3,033	1,336	1,42
Kansas	2,849	2,074	2,665	4,739	1,563	3,069	540	95
Ohio	3,377	435	1,761	2,196	2,407	1,678	325	84
Oklahoma	3,503	1,670	2,223	3,893	2,255	3,291	312	1,47
Other States [3]	5,621	1,890	3,654	5,544	2,614	6,191	1,570	4,57
PAD District III	**82,708**	**8,243**	**29,939**	**38,182**	**31,460**	**40,860**	**18,602**	**6,40**
Alabama	1,901	221	405	626	478	907	666	50
Arkansas	1,525	104	149	253	138	652	86	60
Louisiana	24,060	1,516	6,458	7,974	9,243	13,864	6,254	1,40
Mississippi	5,203	447	2,392	2,839	1,912	2,897	613	90
New Mexico	847	200	192	392	660	532	350	40
Texas	49,172	5,755	20,343	26,098	19,029	22,008	10,633	2,30
PAD District IV	**4,228**	**2,024**	**2,246**	**4,270**	**4,539**	**4,409**	**1,469**	**4,25**
Colorado	731	324	366	690	566	583	217	50
Montana	1,104	700	494	1,194	1,508	1,201	233	1,70
Utah	1,330	356	612	968	1,022	1,047	200	40
Wyoming	1,063	644	774	1,418	1,443	1,578	819	1,40
PAD District V	**39,177**	**3,710**	**10,562**	**14,272**	**15,492**	**11,501**	**12,920**	**3,80**
Alaska	1,037	82	241	323	277	809	1,124	
California	27,004	2,524	8,647	11,171	12,735	7,993	9,109	2,80
Washington	7,330	1,054	1,519	2,573	1,832	2,143	1,318	30
Other States [3]	3,806	50	155	205	648	556	1,369	50
U.S. Total	**174,361**	**25,852**	**73,312**	**99,164**	**77,278**	**104,172**	**51,612**	**30,40**

See footnotes at end of table.

e 35. **Working Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1989 (Continued)**
(Thousand Barrels)

District and State	Products							Total Crude Oil and Products
				Jet Fuel		All Other Products [2]	Total Products	
	Lubricants	Propane	Butane	Naphtha-type	Kerosene-type			
District I	**2,911**	**2,062**	**1,506**	**594**	**4,658**	**15,161**	**94,769**	**118,277**
New Jersey	467	313	420	0	2,998	8,419	46,350	54,469
Pennsylvania	2,056	1,033	976	206	1,326	5,410	25,004	34,911
Other States [3]	388	716	110	388	334	1,332	23,415	28,897
District II	**2,736**	**5,747**	**3,268**	**1,255**	**5,866**	**33,564**	**134,755**	**159,495**
Illinois	942	734	799	44	1,712	10,579	35,921	42,775
Indiana	585	347	721	404	1,161	4,722	19,122	21,658
Kansas	0	2,670	388	0	434	4,463	18,818	21,667
Ohio	256	481	471	97	554	3,481	12,786	16,163
Oklahoma	782	260	298	545	1,045	5,883	20,040	23,543
Other States [3]	171	1,255	591	165	960	4,436	28,068	33,689
District III	**10,291**	**5,781**	**10,862**	**2,766**	**13,129**	**110,039**	**288,434**	**371,142**
Alabama	0	3	21	134	405	377	4,184	6,085
Arkansas	126	2	6	19	25	3	1,954	3,479
Louisiana	3,179	1,300	5,724	755	3,958	24,139	77,875	101,935
Mississippi	429	69	118	71	1,254	4,918	16,083	21,286
New Mexico	0	8	23	384	114	957	3,839	4,686
Texas	6,557	4,399	4,970	1,403	7,373	79,645	184,499	233,671
District IV	**257**	**168**	**373**	**604**	**743**	**3,519**	**24,583**	**28,811**
Colorado	0	7	16	224	187	580	3,646	4,377
Montana	0	20	188	81	279	1,322	7,769	8,873
Utah	0	130	49	173	176	1,085	5,297	6,627
Wyoming	257	11	120	126	101	532	7,871	8,934
District V	**2,508**	**384**	**1,717**	**1,500**	**6,286**	**36,335**	**106,741**	**145,918**
Alaska	0	5	19	175	479	244	3,544	4,581
California	2,508	328	1,335	970	4,089	31,164	84,230	111,234
Washington	0	32	314	137	1,220	4,344	14,252	21,582
Other States [3]	0	19	49	218	498	583	4,715	8,521
Total	**18,703**	**14,142**	**17,726**	**6,719**	**30,682**	**198,618**	**649,282**	[4] 823,643

[1] Working Storage Capacity - the difference in volume between the maximum safe fill capacity and tank bottoms.
[2] All Other Products includes ethane, isobutane, pentanes plus, other hydrocarbons, hydrogen, alcohol, unfinished oils, finished aviation gasoline, cial naphthas, wax, petroleum coke, still gas, petrochemical feedstocks and miscellaneous products.
[3] Other States include PAD District I: Connecticut, Delaware, Florida, Georgia, Maryland, New York, North Carolina, Virginia, West Virginia
PAD District II: Kentucky, Michigan, Minnesota, Missouri, North Dakota, Tennessee, Wisconsin
PAD District V: Hawaii, Nevada, Oregon.
[4] Includes 24,921 thousand barrels storage capacity at shutdown refineries and 40,464 thousand barrels storage capacity at gasoline blending ts.
Source: Form EIA-820, "Annual Refinery Report."

Table 36. Shell Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1989
(Thousand Barrels)

District and State	Crude Oil	Products						
		Motor Gasoline			Gasoline Blending Components	Middle Distillates	Residual Fuel Oil	Asphalt and Road Oil
		Finished Leaded	Finished Unleaded	Total				
PAD District I	**27,135**	**3,166**	**15,295**	**18,461**	**11,304**	**25,708**	**13,860**	**5,278**
New Jersey	9,420	1,504	8,268	9,772	5,259	12,891	7,284	2,082
Pennsylvania	11,291	960	3,429	4,389	3,580	4,239	2,414	1,259
Other States [3]	6,424	702	3,598	4,300	2,465	8,578	4,162	1,937
PAD District II	**27,903**	**10,062**	**19,050**	**29,112**	**18,160**	**25,602**	**6,309**	**12,155**
Illinois	7,863	2,723	4,855	7,578	5,367	6,915	1,820	2,060
Indiana	2,943	691	2,617	3,308	2,924	3,409	1,459	1,636
Kansas	3,102	2,189	2,963	5,152	1,722	3,259	593	1,040
Ohio	3,789	518	2,106	2,624	2,891	1,855	423	903
Oklahoma	4,043	1,892	2,466	4,358	2,392	3,605	344	1,642
Other States [3]	6,163	2,049	4,043	6,092	2,864	6,559	1,670	4,874
PAD District III	**98,335**	**9,399**	**34,444**	**43,843**	**36,568**	**45,992**	**21,096**	**7,461**
Alabama	2,291	256	482	738	518	1,050	791	694
Arkansas	1,688	116	166	282	148	704	97	711
Louisiana	29,987	1,795	7,825	9,620	11,445	16,031	7,063	1,749
Mississippi	5,873	493	2,560	3,053	2,015	3,112	666	1,118
New Mexico	962	238	238	476	720	629	419	425
Texas	57,534	6,501	23,173	29,674	21,722	24,466	12,060	2,764
PAD District IV	**4,645**	**2,245**	**2,501**	**4,746**	**5,016**	**4,699**	**1,552**	**4,461**
Colorado	788	353	401	754	619	612	237	593
Montana	1,286	788	561	1,349	1,700	1,300	255	1,909
Utah	1,462	408	719	1,127	1,150	1,123	216	456
Wyoming	1,109	696	820	1,516	1,547	1,664	844	1,503
PAD District V	**46,190**	**4,459**	**12,240**	**16,699**	**18,027**	**12,766**	**14,236**	**4,201**
Alaska	1,103	86	255	341	291	847	1,173	92
California	32,632	3,155	10,120	13,275	14,949	8,984	10,189	3,159
Washington	8,318	1,163	1,697	2,860	2,096	2,342	1,436	351
Other States [3]	4,137	55	168	223	691	593	1,438	599
U.S. Total	**204,208**	**29,331**	**83,530**	**112,861**	**89,075**	**114,767**	**57,053**	**33,556**

See footnotes at end of table.

e 36. Shell Storage Capacity [1] at Refineries and Gasoline Blending Plants by PAD District and State as of January 1, 1989 (Continued)
(Thousand Barrels)

District and State	Products							Total Crude Oil and Products
				Jet Fuel		All Other Products [2]	Total Products	
	Lubricants	Propane	Butane	Naphtha-type	Kerosene-type			
District I	**2,985**	**2,370**	**1,697**	**646**	**5,006**	**17,726**	**105,041**	**132,176**
lew Jersey	488	363	511	0	3,202	9,530	51,382	60,802
ennsylvania	2,089	1,186	1,062	236	1,452	6,005	27,911	39,202
Other States [3]	408	821	124	410	352	2,191	25,748	32,172
District II	**2,939**	**6,085**	**3,582**	**1,425**	**6,421**	**37,718**	**149,508**	**177,411**
linois	974	816	839	50	1,877	12,394	40,690	48,553
ndiana	647	357	742	473	1,293	5,256	21,504	24,447
Kansas	0	2,674	499	0	453	4,851	20,243	23,345
Ohio	269	494	507	120	607	3,919	14,612	18,401
Oklahoma	869	295	324	601	1,168	6,610	22,208	26,251
Other States [3]	180	1,449	671	181	1,023	4,688	30,251	36,414
District III	**11,589**	**6,697**	**11,948**	**3,174**	**14,985**	**125,913**	**329,266**	**427,601**
Alabama	0	4	24	161	497	452	4,929	7,220
Arkansas	138	2	7	20	30	3	2,142	3,830
Louisiana	3,627	1,316	6,029	845	4,528	28,678	90,931	120,918
Mississippi	504	73	119	76	1,355	5,337	17,428	23,301
New Mexico	0	9	25	436	124	1,113	4,376	5,338
Texas	7,320	5,293	5,744	1,636	8,451	90,330	209,460	266,994
District IV	**285**	**184**	**399**	**671**	**844**	**3,819**	**26,676**	**31,321**
Colorado	0	7	17	237	237	634	3,947	4,735
Montana	0	22	201	97	306	1,403	8,542	9,828
Utah	0	143	59	203	193	1,201	5,871	7,333
Wyoming	285	12	122	134	108	581	8,316	9,425
District V	**2,624**	**417**	**1,885**	**1,655**	**7,093**	**41,831**	**121,434**	**167,624**
Alaska	0	5	20	183	505	256	3,713	4,816
California	2,624	355	1,476	1,105	4,713	35,905	96,734	129,366
Washington	0	33	330	141	1,352	5,043	15,984	24,302
Other States [3]	0	24	59	226	523	627	5,003	9,140
Total	**20,422**	**15,753**	**19,511**	**7,571**	**34,349**	**227,007**	**731,925**	**[4] 936,133**

[1] Shell Storage Capacity - the design capacity of the tank.
[2] All Other Products includes ethane, isobutane, pentanes plus, other hydrocarbons, hydrogen, alcohol, unfinished oils, finished aviation gasoline, cial naphthas, wax, petroleum coke, still gas, petrochemical feedstocks and miscellaneous products.
[3] Other States Include PAD District I: Connecticut, Delaware, Florida, Georgia, Maryland, New York, North Carolina, Virginia, West Virginia
PAD District II: Kentucky, Michigan, Minnesota, Missouri, North Dakota, Tennessee, Wisconsin
PAD District V: Hawaii, Nevada, Oregon.
[4] Includes 27,805 thousand barrels storage capacity at shutdown refineries and 42,657 thousand barrels storage capacity at gasoline blending ts.
Source: Form EIA-820, "Annual Refinery Report."

Table 37. Refinery Receipts of Crude Oil by Method of Transportation by PAD District, 1988
(Thousand Barrels)

Method	PAD Districts					United States
	I	II	III	IV	V	
Pipeline						
Domestic	4,021	722,105	949,179	126,240	343,535	2,145,080
Foreign	20,727	335,935	258,635	24,528	3,519	643,344
Tanker						
Domestic	25,451	0	110,606	0	515,664	651,721
Foreign	392,399	0	796,904	0	70,232	1,259,535
Barge						
Domestic	2,119	1,216	116,427	0	6,319	126,081
Foreign	20,345	58	8,117	0	2,598	31,118
Tank Cars						
Domestic	6,609	0	306	0	15,322	22,237
Foreign	0	0	0	0	0	0
Trucks						
Domestic	4,224	7,817	33,792	14,291	7,983	68,107
Foreign	0	0	0	0	0	0
Total						
Domestic	42,424	731,138	1,210,310	140,531	888,823	3,013,226
Foreign	433,471	335,993	1,063,656	24,528	76,349	1,933,997

Source: Form EIA-820, "Annual Refinery Report."

Table 38. Fuels Consumed at Refineries by PAD District, 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					United States
	I	II	III	IV	V	
Crude Oil	0	0	8	0	5	13
Distillate Fuel Oil	83	167	20	4	509	783
Residual Fuel Oil	4,356	4,571	1,386	899	2,089	13,301
Liquefied Petroleum Gases	929	2,246	824	513	4,954	9,466
Natural Gas (million cubic feet)	23,299	66,958	426,877	8,203	80,392	605,729
Still Gas	21,024	49,375	110,298	6,961	49,483	237,141
Marketable Petroleum Coke	0	0	0	141	1,063	1,204
Catalyst Petroleum Coke	11,586	16,810	35,369	2,251	12,281	78,297
Coal (thousand short tons)	171	21	0	0	0	192
Purchased Electricity (million kWh)	3,375	7,629	12,346	1,154	10,462	34,966
Purchased Steam (million pounds)	4,342	906	16,036	0	8,516	29,800
Hydrogen (million cubic feet)	0	0	0	0	0	0
Unfinished Oils	49	574	33	0	804	1,460
Other [1]	6	79	61	0	124	270

[1] Other includes special naphthas, asphalt and road oil, finished motor gasoline, wax, gasoline blending components, lubricants and kerosene.
Source: Form EIA-820, "Annual Refinery Report."

ble 39. Reactivated and Shutdown Refineries During 1988

PAD District/Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity B/CD	Total Downstream Charge Capacity B/SD	Date of Last Operation	Date Operable	Date Shutdown
REACTIVATED						
AD District III		**27,000**	**21,600**	--	--	--
American International Refining Inc.	Lake Charles, LA.	27,000	21,600	4/81	1/89	--
AD District IV		**15,200**	**27,100**			
Western Slope Refining Co.	Fruita, CO.	15,200	27,100	1/85	1/89	--
otal Reactivated		**42,200**	**48,700**	--	--	--
SHUTDOWN						
AD District I		**17,000**	**11,390**	--	--	--
Seminole Refining Corp.	St. Marks, FL.	17,000	11,390	5/87	--	3/88
AD District II		**2,100**	**1,200**	--	--	--
Kentucky Oil & Refining	Betsy Layne, KY.	600	0	2/81	--	11/88
Motor Oils Refining	McCook, IL.	1,500	1,200	1/88	--	2/88
AD District III		**78,700**	**47,700**	--	--	--
Amber Refining Inc.	Fort Worth, TX.	19,700	17,700	12/85	--	12/88
GAMXX Energy Inc.	Theodore, AL.	27,000	10,000	1/88	--	3/88
Liquid Energy Corp.	Bridgeport, TX.	10,000	0	2/87	--	10/88
OGC Corp.	Egan, LA.	5,000	0	9/87	--	10/88
Texas NAPCO Inc.	St. James, LA.	17,000	20,000	8/83	--	12/88
AD District IV		**5,950**	**7,700**	--	--	--
Flying J. Petroleum Inc.	Cutbank, MT.	5,600	7,700	3/83	--	2/88
Mountaineer Refining Co., Inc.	LaBarge, WY.	350	0	12/87	--	6/88
AD District V		**5,000**	**0**	--	--	--
West Coast Oil Co.	Oildale, CA.	5,000	0	10/85	--	10/88
otal U.S. Shutdown		**108,750**	**67,990**	--	--	--
uerto Rico		**36,000**	**57,800**	--	--	--
Caribbean Gulf Refining Corp.	San Juan, PR.	36,000	57,800	3/88	--	12/88
uam		**43,900**	**1,400**	--	--	--
Guam Oil & Refining Co., Inc.	Agana, Guam	43,900	1,400	12/79	--	12/88

B/CD = Barrels per calendar day.
B/SD = Barrels per stream day.
Source: Form EIA-820, "Annual Refinery Report."

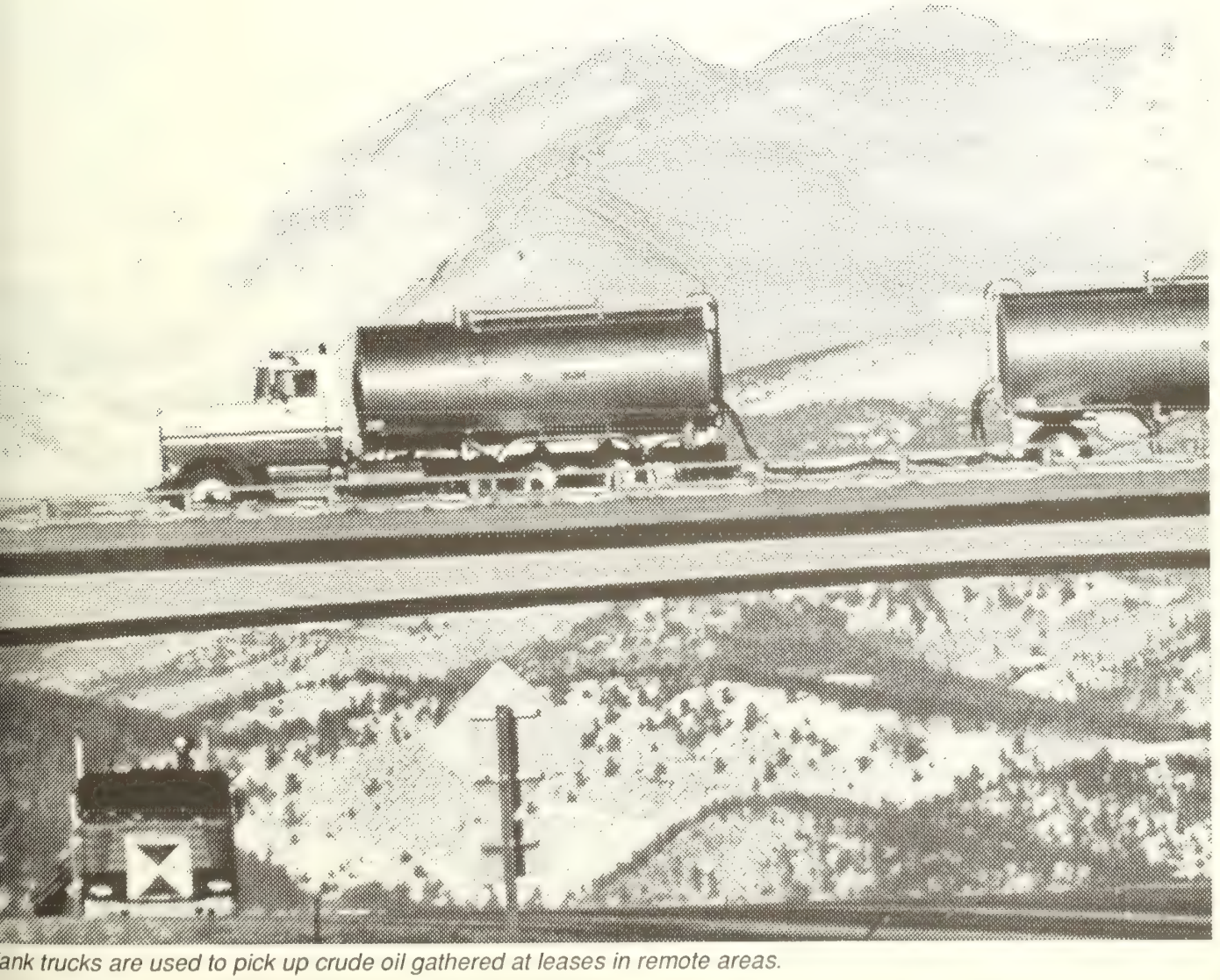
Table 40. Refinery Sales During 1988

Former Owner	Total Atmospheric Crude Oil Distillation Capacity B/CD	New Owner	Date of Sale
Agway Petroleum Corp.		Solomon, Inc.	
Texas City Refg. Inc.		Hill Petroleum Co.	8/88
Texas City, Texas	119,600		
Apex Oil Co.		Horsham Corp.	11/88
Clark Oil & Refg. Corp.			
Blue Island, Illinois	64,600		
Hartford, Illinois	63,600		
Aweco, Inc.		American International	
Lake Charles Refg. Co.		Refining Inc.	7/88
Lake Charles, Louisiana	27,000		
Coastal Corp.		Coastal Corp. (50%)	
Pacific Refining Co.		Sinochem (50%)	12/88
Hercules, California	55,000		
Coral Petroleum Co.		United Refg. Inc.	9/88
United Refg. Co.			
Warren, Pennsylvania	60,000		
Edgington Oil Co. Inc.		Sulfur Mountain Corp.	6/88
Long Beach, California	41,600		
Fletcher Oil & Refg. Co.		Pauley Petroleum Inc.	3/88
Carson, California	29,500		
Guam Oil & Refg. Co., Inc.		Shell Oil Corp.	11/88
Agana, Guam	43,900		
Kerr-McGee		Endevco, Inc.	11/88
Dubach, Louisiana	10,000		
Macmillan Petroleum Co.		Chemoil Corp.	
Signall Hill, California	14,200	Chemoil Refg. Corp.	8/88
Mobil Oil Corp.		BP America Inc.	12/88
Ferndale, Washington	77,400		
Paramount Petroleum Corp.		Paramount Acquisition Corp.	12/88
Paramount, California	46,500		
Tenneco Oil Co.		Mobil Oil Corp.	12/88
Chalmette, Louisiana	145,000		
Texaco, Inc.		Star Enterprise:	
Texaco Refg. & Mktg.		Saudi Refg. Inc. (50%)	
Delaware City, Delaware	140,000	Texaco, Inc. (50%)	11/88
Port Arthur, Texas	250,000		
Convent, Louisiana	225,000		
Union Pacific Resources Co.		Ultramar Refg.	12/88
Wilmington, California	65,000		
Union Pacific Corp. (50%)		Petroleos De Venezuela (100%)	12/88
Petroleos De Venezuela (50%)			
Champlin Petroleum Co.			
Corpus Christi, Texas	130,000		
Williams Companies		Coastal Corp.	
Augusta Refg. Co.		Derby Refg. Co.	7/88
Augusta, Kansas	0		
Young Refg. Corp.		Asphalt Materials	2/88
Laketon Refg. Corp.			
Laketon, Indiana	8,700		

B/CD = Barrels per calendar day.
Source: Form EIA-820, "Annual Refinery Report."

Appendix A

District Descriptions and Maps



ank trucks are used to pick up crude oil gathered at leases in remote areas.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

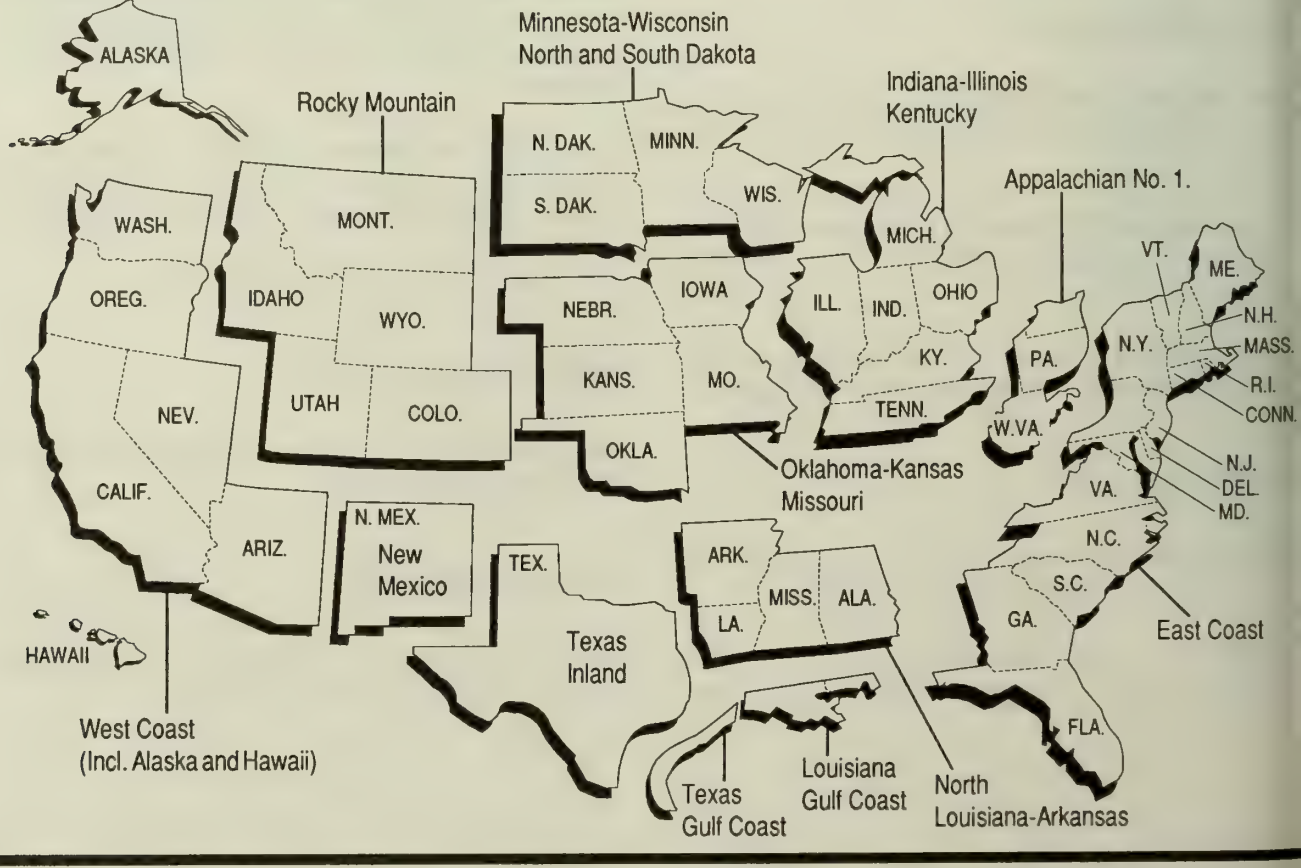
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts

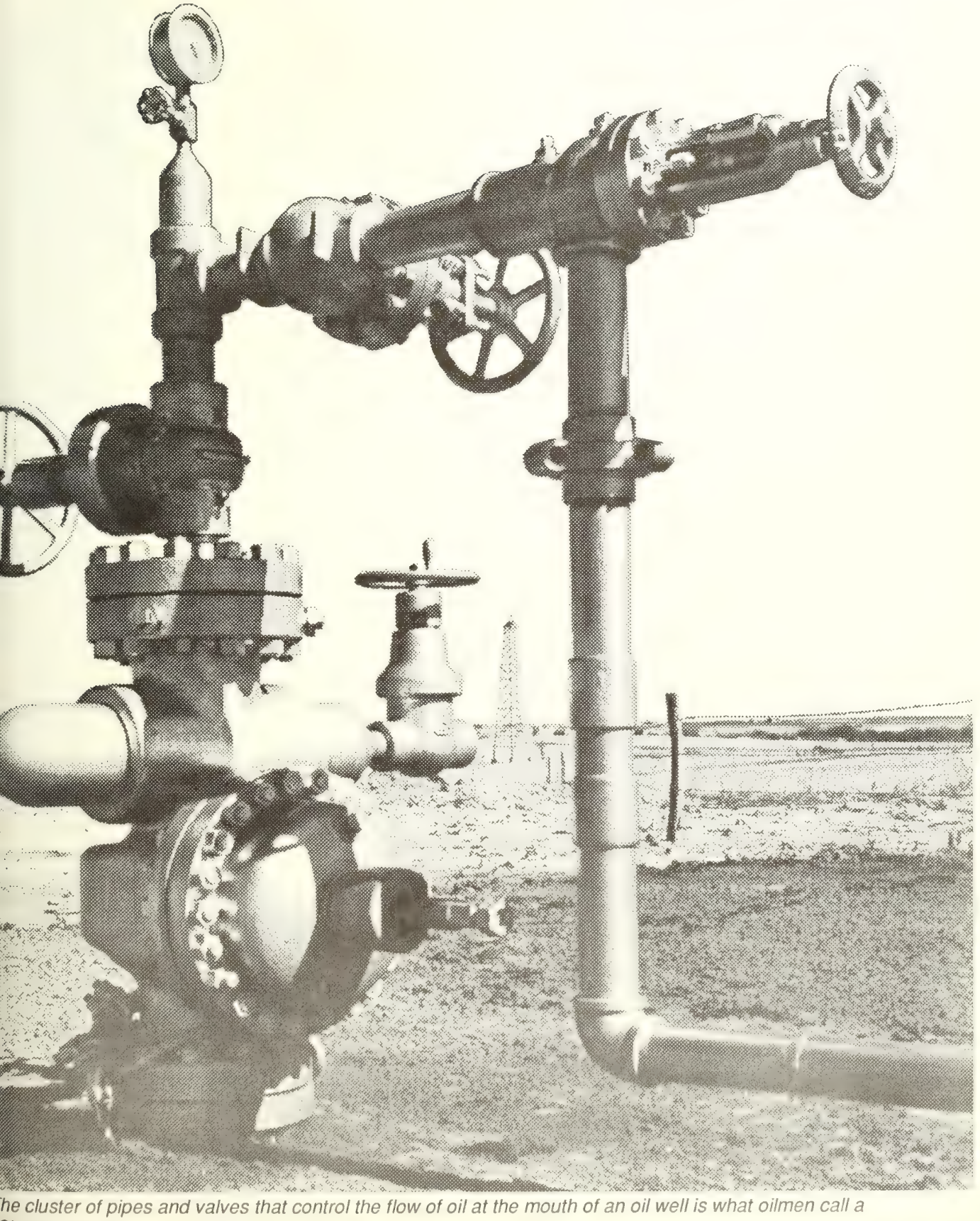


Refining Districts



Appendix B

Explanatory Notes



The cluster of pipes and valves that control the flow of oil at the mouth of an oil well is what oilmen call a Christmas Tree."

Appendix B

Explanatory Notes

Note 1: Data Collection Methodology

Background

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are:

Form Number	*Name*
EIA-800	Weekly Refinery Report
EIA-801	Weekly Bulk Terminal Report
EIA-802	Weekly Product Pipeline Report
EIA-803	Weekly Crude Oil Stocks Report
EIA-804	Weekly Imports Report
EIA-810	Monthly Refinery Report
EIA-811	Monthly Bulk Terminal Report
EIA-812	Monthly Product Pipeline Report
EIA-813	Monthly Crude Oil Report
EIA-814	Monthly Imports Report
EIA-816	Monthly Natural Gas Liquids Report
EIA-817	Monthly Tanker and Barge Movement Report
EIA-820	Annual Refinery Report

Forms EIA-810 through 814, 816, and 817 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery and natural gas plant operations data; refinery, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *Petroleum Supply Annual* (PSA). A description of MPSRS survey forms follows in Explanatory Note 1.1.

Data are also obtained on magnetic tape from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSA. A description of the Census data follows in Explanatory Note 1.2.

Note 1.1: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, and Guam. Approximately 240 respondents report on the EIA-810.

EIA-811: Every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. Approximately 350 respondents report on the EIA-811.

EIA-812: All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 90 respondents report on the EIA-812.

EIA-813: All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 170 respondents report on the EIA-813.

EIA-814: All companies, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. Approximately 860 respondents report on the EIA-814.

EIA-816: All facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 900 respondents report on the EIA-816.

EIA-817: All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company owned tanker or barge. Also, companies which lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 35 respondents report on the EIA-817.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Every three years an extensive survey is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, Federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month, with the exception of the EIA-814 which is due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed for companies that do not respond to EIA Forms 810-813 and 816. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. Data for nonrespondents on the EIA-814 and 817 are not imputed.

Response Rate

The response rate is generally 99 to 100 percent by the time the data are first published. Nonrespondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the FEA Act.

Note 1.2: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the Energy Information Administration (EIA) purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data tapes are the only source of export statistics and are used to augment the import data collected by the EIA.

Import Statistics (IM-145)

Coverage

Census import statistics used in the *Petroleum Supply Annual* (PSA) reflect both government and nongovernment imports of merchandise from foreign countries and U.S. possessions into the United States (the 50 States and the District of Columbia) without regard to whether or not a commercial transaction is involved. The following types of transactions are excluded from the statistics:

(1) Merchandise in transit through the United States, when documented with Customs as an in transit movement.

(2) U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Census export statistics used in the *PSA* reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

(1) Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

(2) Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census. Exporters are required to file export documents with Customs officials (Customs Form 7525).

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year. For survey descriptions and other details, see Explanatory Note 1.1.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year.

Imports of crude oil and petroleum products are reported monthly on Form EIA-814, *Monthly Imports Report*. In addition, imports of natural gas liquids (NGLs) are obtained from the Census Bureau Tabulation IM-145. The Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. Additional data taken from the IM-145 are relatively small quantities of naphtha-type and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for

domestic consumption and therefore are not included in the Form EIA-814 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the year from stocks at the beginning of the same year. (Note: The beginning stocks of one year are equal to the ending stocks of the previous year.) A positive result (+) would represent a withdrawal from stocks. A negative result (-) would represent a buildup of stocks. For a description of survey forms used to make stock withdrawal or addition calculations, see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production, imports, and stock withdrawals. Crude oil disposition is the sum of exports, refinery input, losses, stock additions, and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supply from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the Conservation Committee of California Oil Producers.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports of various State agencies, the Minerals Management Service, and the Conservation Committee of California Oil Producers.

Table 9 of this publication reflects revisions received by the EIA as of April 1989. Additional revisions received after date of this publication will be incorporated into the Crude Oil Production System (COPS) as they become available to the EIA and will be published a final time as an Appendix in the following year's *Petroleum Supply Annual.*

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries reported for all refineries on Form EIA-810, *Monthly Refinery Report.*

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report.* Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico and the Virgin Islands, which are obtained from refinery receipts reported on Form EIA-810, *Monthly Refinery Report,* by refineries located in these places.

Product Supplied for each product is calculated by summing field production, plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a Petroleum Administration for Defense (PAD) District basis), minus refinery input, minus exports. This formula ensures that total disposition equals total supply.

Product supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production net having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are

reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers. For survey descriptions and other details, see Explanatory Note 1.1.

Note 6: Movements

Movements of crude oil between Petroleum Administration for Defense (PAD) Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other details, see Explanatory Note 1.1.

Note 7: Notes on Tables

Note 7.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 3. Total Production and Crude Oil Production appear under Field Production in Table 3.
- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 3.
- Petroleum Products Imports is the sum of Natural Gas Liquids and Liquefied Refinery Gases (LRGs), Other Liquids, and Finished Petroleum Products Imports in Table 3.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 7.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the "Detailed Statistics," except where noted.

- Total Domestic Field Production, Alaskan Field Production, Strategic Petroleum Reserve (SPR) Imports, Other Imports (synonymous with Gross Imports Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted for Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.
- Crude Losses and Product Supplied appear as labeled in Table 3.
- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.
- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.
- Total Imports appear in Table 3.

Note 7.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, ethylene, propane, propylene, butane, butylene, and isobutane. The statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases. The statistics on the referenced line are aggregated from Table 3 of the "Detailed Statistics," except where noted.

- Total production is the aggregated sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 3.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, and *Total U.S.* appear as labeled in Table 9. *Lower 48 States* are calculated by subtracting Alaska crude oil production from Total U.S. crude oil production.
- Line (5): *SPR Imports* are reported on survey Form EIA-814.
- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude oil losses minus crude oil product supplied in Table 2.
- Line (14): Natural Gas Plant Liquids (NGPL) *Field Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.
- Line (15): NGPL *Net Imports* equals the sum of the imports of pentanes plus minus the exports of pentanes plus in Table 2.
- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the stock withdrawal (+) or addition (-) of pentanes plus in Table 2.
- Line (17): *Total NGPL Supply* equals the sum of lines (14), (15), and (16).
- Line (18): Other Liquids *Stock Withdrawal (+) or Addition (-)* equals the aggregate stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, unfinished oils, motor gasoline blending components, and aviation gasoline blending components in Table 2.
- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.
- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.
- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).
- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus field production of other liquids; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.
- Line (25): *Gross Imports* of Refined Products equals imports of liquefied petroleum gases (LPG) plus imports of finished petroleum products in Table 2.
- Line (26): *Exports* of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports* of Refined Products equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus total field production of other liquids; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stock Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (34): Equals the respective products supplied in Table 2.

- Line (35): *Other Products Supplied* equals the sum of pentanes plus, aviation gasoline, naphtha-type jet fuel, kerosene-type jet fuel, naphtha <400 Deg. F. for petrochemical feedstock use, other oils >400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components, and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39): Stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve* equals ending stocks of crude oil in Table 2.

- Line (43): Stocks of *Finished Refined Products* equals the sum of liquefied petroleum gases and finished petroleum products stocks in Table 2.

Note 8: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,425; and 1982 - 1,462.

- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.

- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.

- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.

- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.

- Stock withdrawal calculations beginning in 1975, 1981, and 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the "Summary Statistics," is now reported on a component basis (ethane, propane, normal butane, isobutane, and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the "Summary Statistics." This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108.

- Other Petroleum Products: 1983 - 248.

Note 9: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 10: 1981 Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures, and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration (EIA) in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting system.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings through 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. The difference increased to about 3 percent in 1979 and 1980. There were two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). Table B1 provides 1979 and 1980 data as published in the *Petroleum Statement, Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied.

EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years.

Table B1. Finished Motor Gasoline Product Supplied
(Thousand Barrels per Day)

	EIA Reported	API Recast	EIA Recast	FHWA[a]
1979....	7,034	7,302	7,183-7,347	7,258
1980....	6,579	6,882	6,806-6,889	6,792

[a]FHWA gasoline statistics based on data from Federal Highway Administration, Estimate of Total Gasoline Use, Table MF-21A published October 1980 and September 1981. Aviation gasoline (Table MF-24) has been subtracted from FHWA product supplied quantities to make data comparable.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oils produced by a refinery are shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was subtracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981, this adjustment was discontinued because there was not sufficient empirical evidence to support it. Table B2 presents distillate and residual fuel oil refinery production in 1979 and 1980 as published (adjusted) and on the same basis as 1981 statistics (unadjusted) to permit comparison.

Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Table B2. Distillate and Residual Fuel Oil Production and Product Supplied
(Thousand Barrels per Day)

	Adjusted Refinery Production	Unadjusted Refinery Production	Difference	Unadjusted Product Supplied
Distillate Fuel Oil				
1979	3,152	3,169	16	3,327
1980	2,661	2,764	103	2,969
Residual Fuel Oil				
1979	1,687	1,695	8	2,834
1980	1,580	1,634	54	2,562

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids section, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 11: Natural Gas Liquids Reporting Changes

Beginning in January 1984, a number of changes in the reporting of natural gas liquids (NGL) were implemented. The modified system reflects supply and disposition of NGL on a component, rather than product, basis.

From 1979 to 1983, the EIA collected and reported information on the supply and disposition of nine NGL products. Beginning with January 1984, NGL supply and disposition data were reported on a five component basis (see table below) to be consistent with record-keeping practices used by the industry. Table B3 shows the product categories under the new and old basis.

Four PSRS surveys were modified beginning in January 1984. They were:

EIA-810 *Monthly Refinery Report*
EIA-811 *Monthly Bulk Terminal Report*
EIA-812 *Monthly Product Pipeline Report*
EIA-816 *Monthly Natural Gas Liquids Report*

Table B3. Product Basis vs. Component Basis Reporting

1979-1983 Product Basis	1984 Component Basis				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Ethane	•				
Ethane-Propane Mixtures	•	•			
Propane		•			
Butane-Propane Mixtures		•	•		
Butane			•		
Isobutane				•	
Unfractionated Stream	•	•	•	•	•
Natural Gasoline and Isopentane					•
Plant Condensate					•

A fifth survey, the Form EIA-814, *Monthly Imports Report* (formerly Form ERA-60), was not modified. Adjustments are applied to NGL imports data to make them consistent with the revised reporting system (See Explanatory Note 12).

Note 12: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquids (NGL) supply data, moving from a nine-product slate basis to a five-component slate basis that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analysis of the products they imported during the first six months of 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the importers.

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analysis of the products they exported during 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the exporters.

It was necessary to derive percentages by Petroleum Administration for Defense (PAD) Districts of exportation, due to the wide variation of components included in the mixed streams.

Note 13: Statistical Notes

The universe of each of the Petroleum Supply surveys (refinery, bulk terminal, pipeline, crude oil stock, import, etc.,) is relatively small and ever-changing due to company births, deaths, mergers and splits. The frequency distributions of the petroleum supply variables are non-normal, highly variable, positive skewed and leptokurtic; that is, there are many small units and few large ones. Zeros often dominate the responses; that is, not all of the sampling units produce and/or store all products.

The statistics described in Table B5 were calculated from the monthly surveys over a 12-month period.

(1) The number of active sampling units (respondents).

Table B4. Algorithm for Allocating NGL Imports/Exports
(Percent)

	EIA Component Slate				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Import Product					
Natural Gasoline and Isopentane (EIA-814)	--	--	--	--	100
Plant Condensate (EIA-814)	--	--	--	--	100
Ethane (IM-145)	100	--	--	--	--
Propane (IM-145)	--	100	--	--	--
Butane (IM-145)	--	--	65	35	--
Butane-Propane Mixtures (IM-145)	--	40	35	20	5
Ethane-Propane Mixtures (IM-145)	60	40	--	--	--
Export Product					
Ethane (All PAD Districts)	100	--	--	--	--
Propane(All PAD Districts)	--	100	--	--	--
Butane (All PAD Districts)	--	--	100	--	--
Mixed Streams					
PAD Districts I, IV, V	--	40	60	--	--
PAD District II	30	25	15	15	15
PAD District III	--	80	20	--	--

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Gross Input to Atmospheric Crude Oil Distillation Units												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	182	182	185	186	185	185	181	186	186	186	187	186
Average	2,242	2,052	2,216	2,151	2,283	2,221	2,362	2,326	2,154	2,217	2,142	2,259
Standard Deviation	2,518	2,315	2,507	2,471	2,600	2,457	2,587	2,602	2,389	2,520	2,433	2,493
Refinery Crude Oil Input												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	183	182	185	185	185	184	182	186	186	185	187	185
Average	2,196	2,021	2,188	2,136	2,256	2,205	2,325	2,300	2,147	2,208	2,119	2,251
Standard Deviation	2,481	2,286	2,478	2,460	2,571	2,435	2,565	2,581	2,385	2,508	2,403	2,482
Refinery Finished Leaded Motor Gasoline Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	152	151	149	152	147	147	148	150	147	142	143	144
Average	271	259	280	274	288	287	294	274	249	261	252	257
Standard Deviation	265	263	268	274	282	269	279	266	228	259	254	278
Refinery Finished Unleaded Motor Gasoline Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	165	165	165	163	165	164	165	164	160	164	163	163
Average	1,021	958	1,019	1,019	1,037	1,025	1,086	1,120	1,085	1,077	1,084	1,167
Standard Deviation	1,156	1,077	1,145	1,155	1,198	1,151	1,269	1,279	1,235	1,242	1,230	1,299
Refinery Distillate Fuel Oil Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	180	177	181	180	178	181	178	181	182	184	183	183
Average	529	450	477	490	524	492	497	502	472	491	491	532
Standard Deviation	601	485	527	552	562	520	514	528	489	550	550	598

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables (Continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Residual Fuel Oil Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	145	144	143	143	144	141	140	141	142	146	147	149
Average	222	211	218	207	194	196	211	200	192	200	201	232
Standard Deviation	324	333	340	319	283	290	311	291	269	288	290	334
Refinery Finished Leaded Motor Gasoline Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	157	157	155	152	154	153	150	152	149	148	149	145
Average	89	89	85	83	73	70	72	73	64	64	67	78
Standard Deviation	87	93	83	88	70	72	68	75	63	66	68	85
Bulk Terminal Finished Leaded Motor Gasoline Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	141	142	142	141	141	140	138	137	136	133	133	129
Average	195	182	168	162	155	148	165	172	168	146	141	154
Standard Deviation	409	382	349	337	329	319	364	409	403	305	284	298
Pipeline Finished Leaded Motor Gasoline Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	51	47	51	47	51	51	47	46	49	50	48	51
Average	246	248	230	247	231	222	236	214	194	197	198	176
Standard Deviation	380	373	387	376	376	383	372	289	291	328	312	324
Refinery Finished Unleaded Motor Gasoline Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	170	170	169	169	169	169	169	166	167	169	169	167
Average	232	237	230	213	219	204	206	222	209	215	230	228
Standard Deviation	270	299	268	230	271	247	256	266	231	277	267	256
Bulk Terminal Finished Unleaded Motor Gasoline Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	149	154	152	152	152	148	147	148	145	147	146	143
Average	440	446	431	416	429	384	395	401	439	420	428	467
Standard Deviation	978	1,038	969	950	984	886	890	915	1,050	992	1,028	1,091
Pipeline Finished Unleaded Motor Gasoline Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	53	54	53	54	52	55	54	54	52	55	56	53
Average	788	786	780	810	801	743	777	792	812	793	794	846
Standard Deviation	1,729	1,725	1,630	1,801	1,725	1,684	1,681	1,675	1,794	1,740	1,907	1,844
Refinery Distillate Fuel Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	200	194	193	195	194	196	195	196	198	196	195	196
Average	199	168	150	165	182	208	205	213	213	209	202	190
Standard Deviation	281	216	196	198	205	271	258	306	282	270	250	250
Bulk Terminal Distillate Fuel Oil Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	234	232	230	230	227	228	227	229	227	224	229	229
Average	260	235	176	177	202	205	240	261	286	285	282	259
Standard Deviation	719	640	477	476	537	546	567	628	708	681	707	642
Pipeline Distillate Fuel Oil Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	54	56	57	55	58	56	56	56	55	54	57	57
Average	506	413	355	401	410	409	454	431	441	432	438	475
Standard Deviation	1,269	1,090	870	962	1,066	973	1,219	1,072	1,010	1,119	1,184	1,335
Refinery Residual Fuel Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	164	162	162	162	159	160	159	160	161	160	159	159
Average	115	116	116	114	120	110	105	105	115	107	116	111
Standard Deviation	169	183	172	164	167	154	145	147	168	156	171	164
Bulk Terminal Residual Fuel Oil Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	71	71	71	72	72	73	72	70	71	70	71	69
Average	379	367	348	335	367	332	334	303	366	361	358	387
Standard Deviation	778	764	707	646	815	707	719	667	741	660	666	737
Refinery Crude Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	185	183	181	183	182	182	182	182	183	182	183	183
Average	534	533	557	586	580	593	567	559	558	567	525	503
Standard Deviation	646	665	681	709	692	730	679	676	693	704	665	612
Pipeline/Tank Farm Crude Oil Stocks												
Respondents	130	130	129	131	129	128	128	127	127	128	127	129
Nonzero Respondents	124	124	123	124	120	120	119	119	121	121	121	121
Average	1,593	1,619	1,707	1,664	1,754	1,735	1,729	1,638	1,517	1,575	1,616	1,601
Standard Deviation	3,105	3,309	3,450	3,321	3,600	3,461	3,481	3,197	2,954	3,060	3,208	3,156

(2) The number of sampling units reporting nonzero values (nonzero respondents).

(3) The average of nonzero values reported in thousand barrels (average).

(4) The standard deviation of nonzero values reported in thousand barrels (standard deviation).

Note 14: Addition of Crude Oil Pipeline Movements Data

Beginning in January 1985, inter-Petroleum Administration for Defense (PAD) District pipeline movements of crude oil were included in the crude oil supply balance at the PAD District level but did not affect National level statistics. As a result of including these movements, *Net Receipts* of crude oil and *Unaccounted for Crude Oil* at the PAD District level changed significantly. Also affected were crude oil imports and unfinished oil imports at the PAD District level which are provided by *PAD District of entry* (Tables 4-8) and by *PAD District of processing* (Table 14).

The tables in the *Petroleum Supply Annual* (PSA) that were changed due to the inclusion of inter-PAD District pipeline movements of crude oil are listed below.

- Tables 4-8, "PAD Districts I to V, Supply and Disposition of Crude Oil and Petroleum Products." *Net Receipts* includes movements by pipeline as well as tanker and barge.
- Table 20, "Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes movements by pipeline as well as by tanker and barge.
- Table 21, "Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts." A line was added to report crude oil movements.
- Table 23, "Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes net movements by pipeline as well as by tanker and barge.

Note 15: 1986 Changes in Petroleum Industry Reporting

Beginning in January 1986, several changes to the Petroleum Supply Reporting System (PSRS) went into effect. These changes affected the frame of operators of petroleum facilities required to complete the monthly surveys in the PSRS and resulted in some changes to the tables presented in the *Petroleum Supply Annual* (PSA).

Changes in Survey Frames

As a result of frames maintenance activities, 39 respondents were added to the monthly survey frames. Table B6 shows the impact of the data reported by the new respondents on published data for production and stocks of major petroleum products.

Also, beginning in January 1986, a major integrated petroleum company consolidated production and stocks reporting for some of its facilities. Data previously reported separately on Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-816, *Monthly Natural Gas Liquids Report*, for two facilities, have been combined with data reported for two refineries on Form EIA-810, *Monthly Refinery Report*. The primary impact of this reporting change is on Table 18, "Stocks of Crude Oil and Petroleum

Table B6. Impact of New Respondents to December 1985 PSM Data

Product	Refinery Production (thousand barrels per day)		Stocks[a] (thousand barrels)	
	Reported by New Respondents	Published U.S. Total	Reported by New Respondents	Published U.S. Total
Leaded Gasoline	1.3	2,326	224	81,379
Unleaded Gasoline	0.6	4,323	276	108,422
Distillate Fuel Oil	0	3,174	1,217	143,911
Residual Fuel Oil	0	1,055	1,747	50,671
NGLs & LRGs	0	393	409	80,898
Other Products	0	3,302	1,413	239,158
Crude Oil (excl. SPR)	--	--	2,314	318,695

[a] Stocks as of December 31, 1985.

Products by PAD District," which will show a decrease in natural gas liquids (NGL) stocks at bulk terminals and natural gas processing plants, and an increase in NGL stocks at refineries.

Changes in Publication Tables

Several changes have been made to tables in the PSA either as a direct result of changes in reporting requirements or to improve the usefulness of the publication. These changes are:

- Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District"

  - Alaskan crude oil receipts are now shown separately.

- Table 12, "Refinery Production of Petroleum Products by PAD District"

  - The "petrochemical feedstock use" and "other use" are no longer shown separately for still gas or for liquefied refinery gases.

- Table 14, "Imports of Crude Oil and Petroleum Products by PAD District"

  - Imports of unfinished oils are now separated into four categories: naphthas and lighter, kerosene and light gas oils, heavy gas oils, and residuum.

- Table 15, "Imports of Crude Oil and Petroleum Products by Source"

  - Countries formerly included in the categories "Other Western Hemisphere" and "Other Eastern Hemisphere" are shown individually.

- Table 18, "Stocks of Crude Oil and Petroleum Products by PAD District"

  - The breakout between "petrochemical feedstock use" and "other use" for each liquefied petroleum gas was eliminated.

Note 16: 1987 Changes in the Petroleum Supply Reporting System

Several changes to the Petroleum Supply Reporting System went into effect at the beginning of January 1987. These changes were made as part of the Energy Information Administration's (EIA's) continuing effort to provide pertinent, timely and consistent energy information.

Changes in Data Collection and Reporting Systems

- Fresh feed input to catalytic cracking units, hydrocracking units and cokers were added to the Form EIA-810, *Monthly Refinery Report*.

Changes in Publication Tables

- The "Appalachian No. 2" Refining District has been combined with the "Indiana, Illinois, Kentucky," Refining District. This affects *Petroleum Supply Annual* (PSA) Tables 10, 11, 12, 13, 18, 24, and 25.

- Fresh feed inputs to catalytic cracking units, hydrocracking units and cokers are included in Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District."

Clarification

In 1986, several refineries and terminals in the United States applied for Foreign Trade Zone (FTZ) status and applications from three refineries were approved. Consequently, during 1986, some refineries with FTZ status were treated as if they were within the United States while the Hawaiian FTZ was considered outside.

- Effective with the January 1987 data, all Foreign Trade Zone facilities located within the 50 United States are considered domestic entities and are included in statistics in the PSA. The principal differences in the PSA data series are about a 1 percent increase in crude oil imports and a 3 percent decrease in product imports.

Note 17: EIA-820: Annual Refinery Report

Background

The Form EIA-820, *Annual Refinery Report*, is used to collect data measuring the preceding year's volume of fuels consumed for all purposes at the refinery; the preceding year's volume of refinery receipts of crude oil by method of transportation; current and next year projections for operable atmospheric crude oil distillation capacity, downstream charge capacity and production capacity; and current year working and shell storage capacity for crude oil and petroleum products at the refinery.

Refinery capacity data collection was begun in 1918 by the Bureau of Mines (BOM), then in the Department of Commerce, and was operated on a voluntary basis until 1980. In 1980, the mandatory Energy Information Administration (EIA) Form EIA-177, *Capacity of Petroleum Refineries*, was implemented. Information on refining capacity was expanded to include not only current year operations but two year projections, and refinery input/production data were requested. Working storage capacity data was also added to the form and product categories were added for total coverage. Information on refinery downstream facilities was expanded to include a breakdown of thermal operations and to add vacuum distillation, catalytic hydrorefining and hydrotreating. Production capacity was also added to collect information on isomerization, alkylation, aromatics, asphalt, coking, lubes and hydrogen.

In 1983, the form was revised to improve the consistency and quality of the data collected by the EIA and redesignated as Form EIA-820, *Annual Refinery Report.* Two sections for data previously reported monthly were added to the annual: (1) refinery receipts of crude oil by method of transportation, and (2) fuels consumed for all purposes at refineries. Also, the second year projections were eliminated. As a result of a study conducted by the EIA evaluating motor gasoline data collected by the Federal Highway Administration (FHWA) and by the EIA, motor gasoline blending plants were included for the first time to the universe of respondents in order to produce more accurate statistics on the production of motor gasoline.

In 1987, the form was revised to reduce respondent burden and to better reflect current refinery operations through updated terminology. Information on projected input/production of refinery processing facilities was deleted. Several categories under catalytic hydrotreating were combined: naphtha and reformer feeds were combined into a single category as well as residual fuel oil and other. Thermal cracking types, gas oil and other were also combined into a single category. Catalytic reforming types, conventional and bi-metallic were replaced with low and high pressure processing units. Two new categories were added: fuels solvent deasphalting was added to downstream charge capacity and sulfur recovery was added to production capacity.

Description of Survey Universe

The reporting universe consists of all operating and idle petroleum refineries (including new refineries under construction), blending plants, shutdown refineries with usable storage capacity, and refineries shut down during the previous year, located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. As of January 1, 1989, there were 204 refineries and 23 motor gasoline blending plants operating in the 50 States.

The list of respondents is maintained by monitoring the monthly Form EIA-810, *Monthly Refinery Report*, and industry publications for changes and developments in the petroleum industry such as refinery sales, mergers and new operations.

Information Collected

The main items of information collected annually are fuels consumed for all purposes at the refinery during the preceding year; refinery receipts of crude oil by method of transportation during the preceding year; current and next year projections for operable atmospheric crude oil distillation capacity, downstream charge capacity and production capacity; and current year working and shell storage capacity for crude oil and petroleum products at the refinery.

Collection Methods

The Form EIA-820 is sent to respondents during the month of December and completed forms are required to be postmarked by the 15th day of February of the current report year.

Receipt of the reports are monitored using an automated respondent mailing list. Telephone follow-up calls are made to secure responses from those companies failing to report by February 15th. Data are estimated and noncompliance procedures are implemented for those companies still not reporting data by closeout for the report year. Resubmissions are required whenever an error greater than five percent of the true value is discovered. In the event of a reporting error, company reports are updated after contact with the company and are followed-up by corrected report resubmissions.

Imputing Missing Data

The response rate for the Form EIA-820 is normally very high. For the January 1, 1989 survey, only two refineries did not respond, and their total operating capacity is estimated to be less than 0.2 percent of the U.S. total. Values for these refineries have been imputed from data reported on Form EIA-810, *Monthly Refinery Report.* For nonrespondents, the following imputation methodology is applied:

Section 1: Fuel, Electricity, and Steam Consumed for All Purposes at Refineries

The estimates for this section are based upon data reported on the monthly Form EIA-810, *Monthly Refinery Report,* and the previous year's annual report. A ratio of the fuel use reported on the previous year's annual report to the fuel use

and losses reported on the aggregated monthly data for the previous year is derived for each product category. To arrive at a fuels consumed quantity, this ratio is applied to the current monthly aggregated data for similar product categories (i.e., to arrive at 1988 fuels consumed data, a ratio of fuel use reported for 1987 on the annual report (1988 report) to fuel use and losses reported on the aggregated monthly data for 1987 is derived for each product category. This ratio is then applied to the 1988 aggregated monthly data for similar product categories).

Section 2: Refinery Receipts of Crude Oil by Method of Transportation

The estimates for this section are based on data reported on the monthly Form EIA-810, *Monthly Refinery Report*. The monthly data for 1988 are summed to arrive at a total for domestic and foreign receipts of crude oil. The method of transportation is taken from the previous year's annual report. The total receipts for 1988 are distributed proportionately to the method of transportation categories using 1987 data reported for these categories.

Section 3: Operable and Storage Capacity as of January 1

Estimates for atmospheric crude oil distillation capacity in barrels per calendar day, are taken directly from the January 1989 Form EIA-810, *Monthly Refinery Report*. A barrels per stream day capacity is then derived by dividing the reported barrels per calendar day capacity by .95. Current year and projected year data for downstream charge capacity and production capacity are taken from the previous year's annual report. Estimates for working and shell storage capacity are taken directly from the previous year's annual report.

Note 18: Annual Refinery Report-Accuracy of the Data

There are two types of errors usually associated with data produced from a survey—sampling errors and nonsampling errors. Sampling errors are those errors that occur when survey estimates are based on a sample rather than being derived from a complete census of the frame. Nonsampling errors, sometimes referred to as biases, are those which can arise from a number of sources: (1) the inability to obtain data from all companies in the frame or sample (nonresponse) and the method used to account for nonresponses, (2) definitional difficulties and/or improperly worded questions which lead to different interpretations, (3) mistakes in recording or coding the data obtained from respondents, and (4) other errors of collection, response, coverage, and estimation. Because estimates from the Form EIA-820 survey are based on a complete census of the frame of petroleum refineries and motor gasoline blending plants, there is no sampling error in the data presented in this report. The data, however, are subject to nonsampling errors. Quality control procedures are employed in the collection and editing operations in an attempt to minimize misrepresentation and misreporting. Nonresponse follow-up procedures are employed to reduce the number of nonrespondents, and procedures employed to impute missing data, introduce a minimal amount of bias, given the relatively small volume of imputed data.

Note 19: Annual Refinery Report-Motor Gasoline Blending Plants

Most finished motor gasoline production occurs at petroleum refineries. However, some production takes place at blending facilities which mechanically blend gasoline components into finished motor gasoline. The following is a list of motor gasoline blending plants and their locations that operated during 1988.

Citgo Petroleum Corp.
Linden, New Jersey

Edgington Oil Co. Inc.
Signal Hill, California

Enron Gas Processing Inc.
Brooker, Florida

GATX Terminal Corp.
Pasadena, Texas

GATX Terminal Corp.
Carteret, New Jersey

Hartford/Woodriver Term.
Hartford, Illinois

Intercontinental Term.Co.
Deer Park, Texas

ITAPCO
New Albany, Indiana

New Haven Terminals Inc.
East Haven, Connecticut

Northville Industries Corp.
Linden, New Jersey

Northville Industries Corp.
Riverhead, New York

Northville Industries Corp.
Setauket, New York

Oiltanking of Texas Inc.
Houston, Texas

Petro-Diamond Term. Co.
Long Beach, California

Phillips 66 Co.
Jefferson City, Missouri

Phillips 66 Co.
East Chicago, Indiana

Phillips 66 Co.
East St. Louis, Illinois

Phillips 66 Co.
Decatur, Illinois

Phillips 66 Co.
Kansas City, Kansas

Quaker State Oil Refining
Emlenton, Pennsylvania

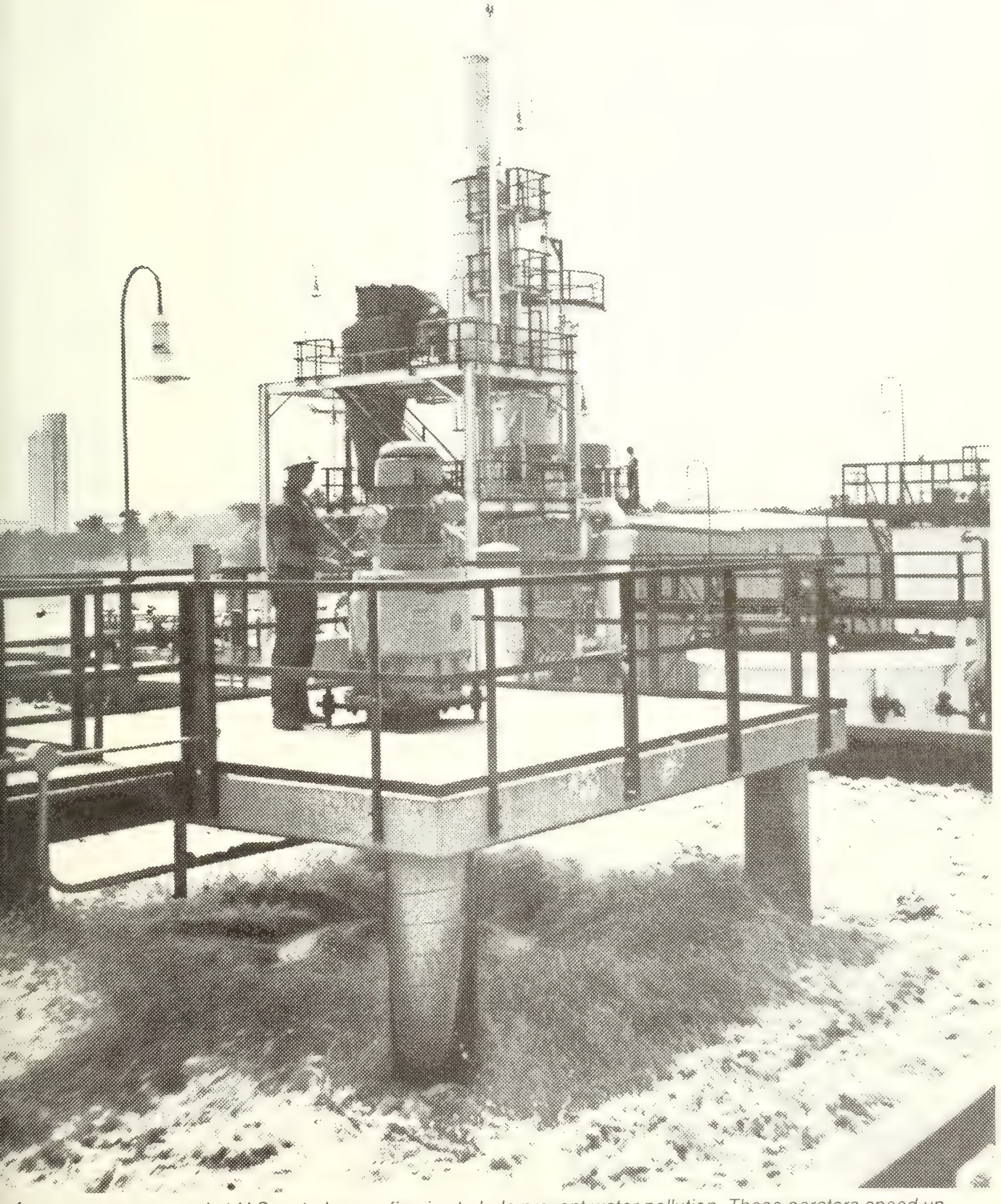
Spruce Oil
Denver, Colorado

Westec Petroleum Inc.
Grand Junction, Colorado

Wickland Oil Terminal Co.
Crockett, California

Appendix C

1987 Revised Crude Oil Production



urface aerators are used at U.S. petroleum refineries to help prevent water pollution. These aerators speed up ne oxidation process by beating air into water.

Appendix C

Table C1. Revised[a] Crude Oil Production by PAD District and State, 1987
(Thousand Barrels)

PAD District and State	January	February	March	April	May	June	July
PAD District I	**1,245**	**1,134**	**1,314**	**1,286**	**1,310**	**1,236**	**1,290**
Florida	689	590	701	685	728	657	703
New York	56	56	64	63	64	65	59
Pennsylvania	265	258	288	300	280	285	279
Virginia	1	1	1	2	1	1	1
West Virginia	234	229	259	236	237	228	247
PAD District II	**26,648**	**25,088**	**27,343**	**27,257**	**26,303**	**26,308**	**26,993**
Illinois	2,000	1,898	2,080	1,985	1,982	1,995	2,050
Indiana	347	343	357	358	219	326	356
Kansas	5,212	4,793	4,653	5,359	5,036	5,057	5,238
Kentucky	463	459	494	478	490	477	494
Michigan	2,275	2,016	2,218	2,168	2,219	2,175	2,198
Missouri	8	9	9	9	8	11	13
Nebraska	540	484	510	510	521	509	514
North Dakota	3,661	3,291	3,619	3,514	3,548	3,383	3,509
Ohio	1,009	977	1,123	1,023	1,040	1,007	1,010
Oklahoma	10,947	10,640	12,093	11,675	11,055	11,178	11,416
South Dakota	137	123	134	132	141	139	141
Tennessee	49	56	55	45	45	51	54
PAD District III	**121,566**	**110,549**	**122,051**	**117,049**	**118,341**	**113,389**	**117,154**
Alabama	1,733	1,579	1,783	1,669	1,766	1,741	1,803
Arkansas	1,193	1,077	1,267	1,225	1,244	1,167	1,184
Louisiana[b]	14,816	13,477	15,650	14,868	14,701	14,004	14,758
Mississippi	2,447	2,197	2,444	2,347	2,450	2,352	2,468
New Mexico	6,127	5,566	6,182	5,903	6,057	5,805	6,064
Texas[b]	66,206	60,052	66,212	63,745	64,543	61,884	63,790
Federal Offshore PAD District III	29,044	26,601	28,513	27,293	27,580	26,436	27,087
PAD District IV	**17,889**	**16,014**	**17,378**	**16,988**	**17,471**	**16,833**	**17,324**
Colorado	2,420	2,203	2,461	2,386	2,447	2,433	2,506
Montana	2,151	1,968	2,179	2,110	2,148	2,044	2,095
Utah	3,231	2,851	2,875	2,943	3,100	2,927	3,056
Wyoming	10,087	8,992	9,864	9,549	9,775	9,430	9,668
PAD District V	**95,896**	**82,449**	**94,660**	**92,644**	**95,378**	**90,942**	**93,418**
Alaska[b]	62,598	51,879	61,007	59,707	61,357	57,899	59,202
South Alaska	1,508	1,284	1,393	1,318	1,378	1,334	1,402
North Slope	61,091	50,595	59,614	58,389	59,979	56,565	57,801
Arizona	11	10	11	10	11	11	11
California[b]	30,751	28,246	31,235	30,187	31,095	30,076	31,027
Nevada	267	239	266	255	264	244	260
Federal Offshore PAD District V	2,269	2,075	2,141	2,484	2,652	2,712	2,918
U.S. Total[b]	**263,244**	**235,234**	**262,746**	**255,224**	**258,803**	**248,709**	**256,179**
Daily Average	**8,492**	**8,401**	**8,476**	**8,507**	**8,348**	**8,290**	**8,264**

[a] Data is based upon revisions received as of April 1989.
[b] Includes the following offshore production (thousand barrels): Alaska: State - 22,729; California: State - 30,360; Louisiana: State - 25,159; Texas: State - 1,789; U.S. Total, including Federal Offshore - 437,979.
(s) = Less than 500 barrels or less than 500 barrels per day.

This table contains updates on 1987 crude oil production statistics published in the *Petroleum Supply Annual* (PSA), 1987.

Statistics on crude oil production for States and for Federal offshore areas are reported to the Energy Information Administration (EIA) by State government agencies and by the Minerals Management Service, U.S. Department of the Interior. These data are updated periodically by the reporting agencies and are received by the EIA on an ongoing basis. At the time of publication of the 1987 *PSA*, the EIA had not received complete and/or updated statistics on crude oil production for several States. This table is provided to inform the user of updated monthly and annual crude oil production statistics for 1987, and are not subject to further revision by the EIA.

able C1. Revised[a] Crude Oil Production by PAD District and State, 1987 (Continued)
(Thousand Barrels)

PAD District and State	August	September	October	November	December	Total	Daily Average
AD District I	**1,271**	**1,252**	**1,284**	**1,212**	**1,301**	**15,134**	**41**
Florida	701	686	713	698	720	8,270	23
New York	61	57	56	52	57	710	2
Pennsylvania	274	269	274	245	285	3,302	9
Virginia	1	2	1	1	3	17	(s)
West Virginia	234	239	240	216	236	2,835	8
AD District II	**26,206**	**25,968**	**26,962**	**25,411**	**26,157**	**316,645**	**868**
Illinois	2,007	1,983	2,029	2,003	2,086	24,096	66
Indiana	227	343	348	321	356	3,902	11
Kansas	5,006	5,053	5,165	4,835	5,138	60,544	166
Kentucky	474	472	491	448	513	5,752	16
Michigan	2,199	2,118	2,172	2,089	2,125	25,971	71
Missouri	16	14	12	14	13	135	(s)
Nebraska	506	494	509	491	504	6,091	17
North Dakota	3,384	3,341	3,400	3,291	3,423	41,364	113
Ohio	1,006	989	1,017	942	1,010	12,153	33
Oklahoma	11,193	10,973	11,624	10,791	10,793	134,378	368
South Dakota	141	133	142	137	143	1,644	5
Tennessee	47	55	54	50	53	614	2
AD District III	**116,548**	**113,523**	**118,186**	**113,849**	**116,896**	**1,399,100**	**3,833**
Alabama	1,778	1,692	1,594	1,711	1,758	20,607	56
Arkansas	1,142	1,167	1,204	1,173	1,189	14,230	39
Louisiana [b]	14,846	14,132	15,061	14,172	14,542	175,027	480
Mississippi	2,355	2,274	2,371	2,270	2,376	28,351	78
New Mexico	6,134	6,036	6,287	6,011	6,156	72,328	198
Texas [b]	63,421	61,666	64,215	62,194	63,777	761,707	2,087
Federal Offshore PAD District III	26,871	26,556	27,454	26,318	27,098	326,851	895
AD District IV	**17,277**	**16,917**	**17,648**	**16,927**	**17,516**	**206,184**	**565**
Colorado	2,503	2,460	2,530	2,398	2,614	29,360	80
Montana	2,099	2,042	2,122	2,062	2,094	25,113	69
Utah	2,934	2,986	3,079	2,890	2,917	35,788	98
Wyoming	9,742	9,429	9,917	9,577	9,891	115,922	318
AD District V	**93,497**	**89,103**	**95,980**	**95,306**	**97,151**	**1,116,426**	**3,059**
Alaska [b]	59,143	56,232	61,563	62,042	63,325	715,955	1,962
South Alaska	1,310	1,280	1,315	1,297	1,331	16,149	44
North Slope	57,833	54,952	60,249	60,745	61,994	699,806	1,917
Arizona	11	11	12	10	11	131	(s)
California [b]	31,049	30,110	31,255	30,168	30,937	366,137	1,003
Nevada	263	259	269	258	268	3,112	9
Federal Offshore PAD District V	3,032	2,490	2,880	2,828	2,610	31,091	85
.S. Total [b]	**254,801**	**246,762**	**260,059**	**252,705**	**259,022**	**3,053,488**	**8366**
Daily Average	**8,219**	**8,225**	**8,389**	**8,424**	**8,356**	**8,366**	**–**

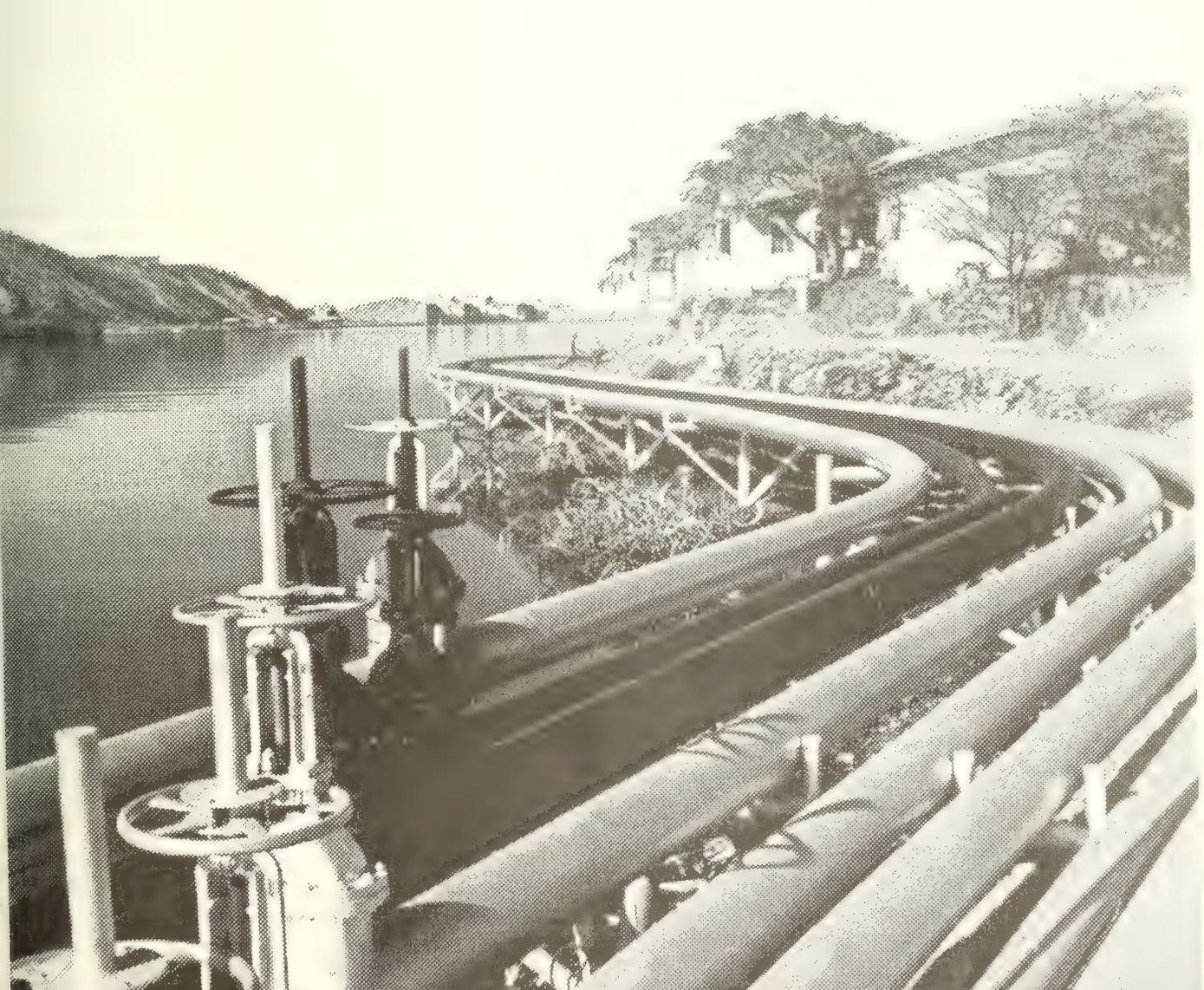
Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: ouisiana, Michigan, Missouri, Nevada, PAD District III Federal Offshore, and PAD District V Federal Offshore. • Annual crude oil roduction for Michigan, New York, Ohio, and Pennsylvania was prorated by month based on first purchaser monthly crude oil volumes ollected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent ounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

This table contains updates on 1987 crude oil production statistics published in the *Petroleum Supply Annual* (PSA), 1987.

Statistics on crude oil production for States and for Federal offshore areas are reported to the Energy Information Administration (EIA) by State government agencies and by the Minerals Management Service, U.S. Department of the Interior. These data are updated periodically by the reporting agencies and are received by the EIA on an ongoing basis. At the time of publication of the 1987 *PSA*, the EIA had not received complete and/or updated statistics on crude oil production for several States. This table is provided to inform the user of updated monthly and annual crude oil production statistics for 1987, and are not subject to further revision by the EIA.

Glossary



Pipelines carry crude oil and petroleum products between refineries and ports.

Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; CH-(CH)n-OH (e.g., methanol, ethanol, and tertiary butyl alcohol (TBA)).

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{sp.gr.60\ \ F/60\ \ F} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt, still gas and wax to barrels are given in the definitions of these products.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed during a 24-hour period after making allowances for the following limitations:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude oil and product slate conditions.

Benzene. An aromatic hydrocarbon, (C_6H_6), present to a minor degree in most crude oils. Some important products manufactured from benzene are: styrene, phenol, nylon, aniline, and synthetic detergents.

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon, (C4H10). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

> ***Isobutane.*** A normally gaseous branch-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.
>
> ***Normal Butane.*** A normally gaseous straight-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C4H8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

> ***Fresh Feeds.*** Crude oil or petroleum distillates which are being fed to processing units for the first time.
>
> ***Recycled Feeds.*** Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controll heat and pressure with catalysts to rearrange certain hyd carbon molecules, thereby converting paraffinic a naphthenic type hydrocarbons (e.g., low-octane gasoli boiling range fractions) into petrochemical feedstocks a higher octane stocks suitable for blending into finished ga line. Catalytic reforming is reported in two categories. Th are:

> ***Low Pressure.*** A processing unit operating at less th 225 pounds per square inch gauge (PSIG) measured the outlet separator.
>
> ***High Pressure.*** A processing unit operating at eit equal to or greater than 225 pounds per square in gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refine processing facilities.

Coal. A generic term applied to carbonaceous rocks t were formed by the partial or complete decomposition vegetation. These stratified carbonaceous rocks are eit solid or brittle and are highly combustible. Includes ligni bituminous coal, and anthracite which conform to AST Specification D388.

Crude Distillation. The refining process of separati crude oil components at atmospheric pressure by heating temperatures of about 600 degrees F to 750 degrees F (d pending on the nature of the crude oil and desired produc and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture hydrocarbons that existed in liquid phase in undergrou reservoirs and remains liquid at atmospheric pressure af passing through surface-separating facilities. Included a lease condensate and liquid hydrocarbons produced from sands, gilsonite, and oil shale. Drip gases are also includ but topped crude oil (residual oil) and other unfinished o are excluded. Liquids produced at natural gas processi plants and mixed with crude oil are likewise excluded whe identifiable. Crude oil is considered as either domestic foreign, according to the following:

> ***Domestic.*** Crude oil produced in the United States from its "outer continental shelf" as defined in 43 US 1331.
>
> ***Foreign.*** Crude oil produced outside the United Stat Imported Athabasca hydrocarbons are included.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil . A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F at the 10-percent recovery point and 550 degrees F at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 designates minimum and maximum distillation temperatures at the 90-percent recovery point of 540 degrees F and 640 degrees F, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as designated in the ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a maximum distillation temperature of 550 degrees F at the 90-percent recovery point for use in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with minimum and maximum distillation temperatures at the 90-percent recovery point of 540 and 640 degrees F for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C2H6). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene. An olefinic hydrocarbon, (C2H4), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Flexicoking. A thermal cracking process which converts heavy hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity between that of kerosene and lubricating oil. It derives its

name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. See Motor Gasoline (Finished).

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Heavy Gas Oil. Petroleum distillates with an approximate boiling range from 651 degrees F to 1000 degrees F.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See Butane.

Isohexane. A saturated branch-chain hydrocarbon, (C6H14). It is a colorless liquid that boils at a temperature of 156.2 degrees F.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane, (C4), an alkylation process feedstock, and normal pentane and hexane into isopentane, (C5), and isohexane, (C6), high-octane gasoline components.

Isopentane. See Natural Gasoline and Isopentane.

Kerosene. A petroleum distillate that has a maximum distillation temperature of 401 degrees F at the 10-percent recovery point, a final boiling point of 572 degrees F, and a minimum flash point of 100 degrees F. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in w lamps.

Kerosene-type Jet Fuel. A quality kerosene product wi maximum distillation temperature of 400 degrees F at 10-percent recovery point and a final maximum boil point of 572 degrees F. The fuel is designated in AS Specification D1655 and Military Specification MIL 5624L (Grades JP-5 and JP-8). A relatively low-freez point distillate of the kerosene type used primarily commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from well gas (associated and non-associated) in lease separat or natural gas field facilities. Lease condensate cons primarily of pentanes and heavier hydrocarbons.

Light Gas Oils. Liquid petroleum distillates heavier t naphtha, with an approximate boiling range from 401 grees F to 650 degrees F.

Liquefied Petroleum Gases (LPG). Ethane, ethylene, p pane, propylene, normal butane, butylene, and isobut produced at refineries or natural gas processing pla including plants that fractionate raw natural gas plant uids.

Liquefied Refinery Gases (LRG). Liquefied petrole gases fractionated from refinery or still gases. Throu compression and/or refrigeration, they are retained in liquid state. The reported categories are ethane/ethyle propane/propylene, normal butane/butylene, and isobuta Excludes still gas.

Lubricating Oils. A substance used to reduce frict between bearing surfaces. Petroleum lubricants may produced either from distillates or residues. Other s stances may be added to impart or improve certain requi properties. Do not include byproducts of lubricating refining such as aromatic extracts derived from solv extraction or tars derived from deasphalting. "Lubrican includes all grades of lubricating oils from spindle oi cylinder oil and those used in greases. The three catego include:

Bright Stock. A refined, high viscosity lubricating base stock that is usually made from a residuum b treatment such as deasphalting, acid treatment, or s vent extraction.

Neutral. A distillate lubricating oil base stock wit viscosity that is usually not above 550 Sayb Universal Seconds (SUS) at 100 degrees F. A prod of hydrotreating, acid treatment, or solvent extracti

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils).

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a range in distillation temperatures from 122 to 158 degrees F at the 10-percent recovery point and from 365 to 374 degrees F at the 90-percent recovery point. The Reid Vapor Pressure ranges from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol), limited to 10 percent by volume of alcohol.

Motor Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished motor gasoline (e.g. straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

Naphtha-type Jet Fuel. A fuel in the heavy naphtha boiling range. ASTM Specification D1655 specifies for this fuel maximum distillation temperatures of 290 degrees F at the 20-percent recovery point and 470 degrees F at the 90-percent point, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e., products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gas Processing Plant. A gas processing plant is a facility designed (1) to achieve the recovery of natural gas liquids from the stream of natural gas which may or may not have been processed through lease separators and field facilities, and (2) to control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See Butane.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates. Oxygenates include both alcohols and ethers used as octane boosting additives for gasoline (e.g., methyl tertiary butyl ether).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F" and "Other oils over 400 degrees F."

> *Naphtha-Less Than 400 Degrees F.* A naphtha with a boiling range of less than 400 degrees F that is intended for use as a petrochemical feedstock.
>
> *Other Oils-Over 400 Degrees F.* Oils with a boiling range of over 400 degrees F that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

> *Marketable Coke.* Those grades of coke produce
> delayed or fluid cokers which may be recovere
> relatively pure carbon. This "green" coke may be
> as is or further purified by calcining.
>
> *Catalyst Coke.* In many catalytic operations (
> catalytic cracking) carbon is deposited on the cata
> thus deactivating the catalyst. The catalyst is re
> vated by burning off the carbon, which is used as a
> in the refining process. This carbon or coke is
> recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained f
the processing of crude oil (including lease condens
natural gas, and other hydrocarbon compounds. Petrol
products include unfinished oils, liquefied petroleum ga
pentanes plus, aviation gasoline, motor gasoline, naph
type jet fuel, kerosene-type jet fuel, kerosene, distillate
oil, residual fuel oil, petrochemical feedstocks, spe
naphthas, lubricants, waxes, petroleum coke, asphalt,
oil, still gas, and miscellaneous products.

Plant Condensate. One of the natural gas liquids, mo
pentanes and heavier hydrocarbons, recovered and s
rated as liquids at gas inlet separators or scrubbers in p
essing plants.

Primary Stocks. Stocks of crude oil or petroleum prod
held in storage at (or in) leases, refineries, natural
processing plant pipelines, tankfarms, and bulk term
that can store at least 50,000 barrels of petroleum prod
or that can receive petroleum products by tanker, barg
pipeline. Crude oil that is in-transit by water from Ala
or that is stored on Federal leases or in the Strategic Pe
leum Reserve is included. Primary Stocks exclude stock
foreign origin that are held in bonded warehouse stora

Production Capacity. The amount of product that ca
produced from processing facilities.

Propane. A normally gaseous straight-chain hydrocar
(C3H8). It is a colorless paraffinic gas that boils
temperature of -43.67 degrees F. It is extracted from na
gas or refinery gas streams. It includes all products de
nated in ASTM Specification D1835 and Gas Proces
Association Specifications for commercial propane
HD-5 propane.

Propylene. An olefinic hydrocarbon, (C3H6), recov
from refinery processes or petrochemical processes.

Refinery. An installation that manufactures finished pe
leum products from crude oil, unfinished oils, natural
liquids, other hydrocarbons, and alcohol.

Residual Fuel Oil. The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations and that conform to ASTM Specifications D396 and 975. Included are No. 5, a residual fuel oil of medium viscosity; Navy Special, for use in steam-powered vessels in government service and in shore power plants; No. 6, which includes Bunker C fuel oil, and is used for commercial and industrial heating, electricity generation and to power ships. Imports of residual fuel oil include imported crude oil burned as fuel.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees F.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank and is always greater than or equal to working storage capacity.

Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6.000 million Btu's per barrel (42 U.S. gallons).

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A nonmetallic element of lemon-yellow color, sometimes known as "brimstone."

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene. An aromatic hydrocarbon, (C6H5CH3), somewhat similar to benzene but of a higher boiling point produced in the coking of coal and also by petroleum refining processes. It is the basis of dyes, explosives, and aromatic compounds. Along with xylene, it is a key component in unleaded gasoline.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending. Includes naphthas, kerosene, light and heavy gas oils, and residuum. See individual categories for definition.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42 U.S. gallons per barrel.

> ***Microcrystalline Wax.*** Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics: Penetration at 77 degrees F (D1321)-60 maximum. Viscosity at 210 degrees F in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.
>
> ***Crystalline-Fully Refined Wax.*** A light-colored paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes)

maximum. Oil content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.51 percent minimum to 15 percent maximum.

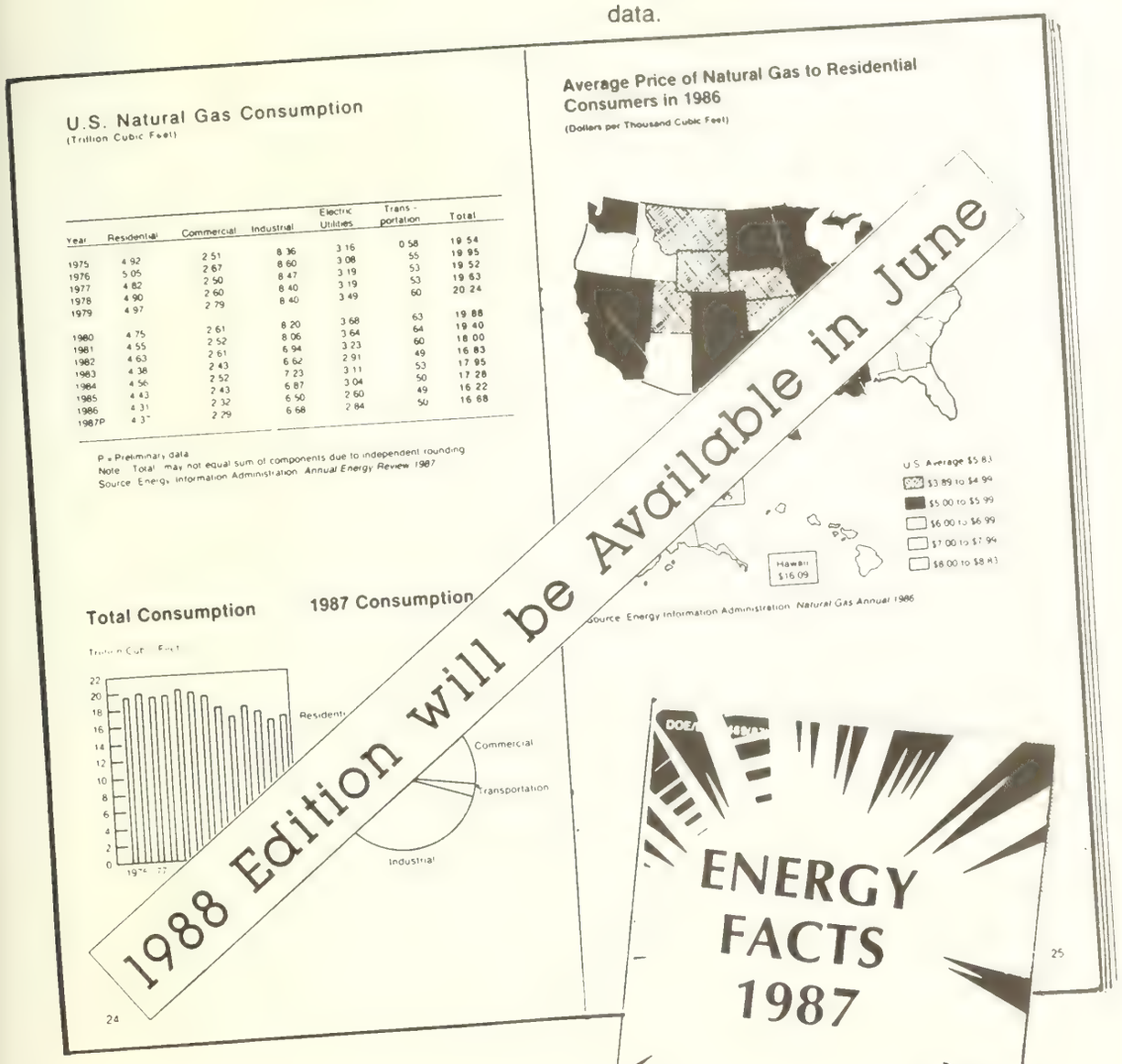
Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Working Storage Capacity. The volume between the m mum safe fill capacity and the quantity below which pu suction is ineffective (bottoms).

Xylene. An aromatic hydrocarbon, (C6H4(CH3)2), duced in petroleum refining (cracking) processes. important use is as a solvent in the manufacture of pa Along with toluene, it is a key ingredient in unlea gasoline.

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U.S. Natural Gas Consumption
(Trillion Cubic Feet)

Year	Residential	Commercial	Industrial	Electric Utilities	Trans-portation	Total
1975	4.92	2.51	8.36	3.16	0.58	19.54
1976	5.05	2.67	8.60	3.08	.55	19.95
1977	4.82	2.50	8.47	3.19	.53	19.52
1978	4.90	2.60	8.40	3.19	.53	19.63
1979	4.97	2.79	8.40	3.49	.60	20.24
1980	4.75	2.61	8.20	3.68	.63	19.88
1981	4.55	2.52	8.06	3.64	.64	19.40
1982	4.63	2.61	6.94	3.23	.60	18.00
1983	4.38	2.43	6.62	2.91	.49	16.83
1984	4.56	2.52	7.23	3.11	.53	17.95
1985	4.43	2.43	6.87	3.04	.50	17.28
1986	4.31	2.32	6.50	2.60	.49	16.22
1987P	4.37	2.29	6.68	2.84	.50	16.68

P = Preliminary data
Note: Total may not equal sum of components due to independent rounding
Source: Energy Information Administration, *Annual Energy Review 1987*

Average Price of Natural Gas to Residential Consumers in 1986
(Dollars per Thousand Cubic Feet)

U.S. Average $5.83
$3.89 to $4.99
$5.00 to $5.99
$6.00 to $6.99
$7.00 to $7.99
$8.00 to $8.83
Hawaii $16.09

Source: Energy Information Administration, *Natural Gas Annual 1986*

Total Consumption

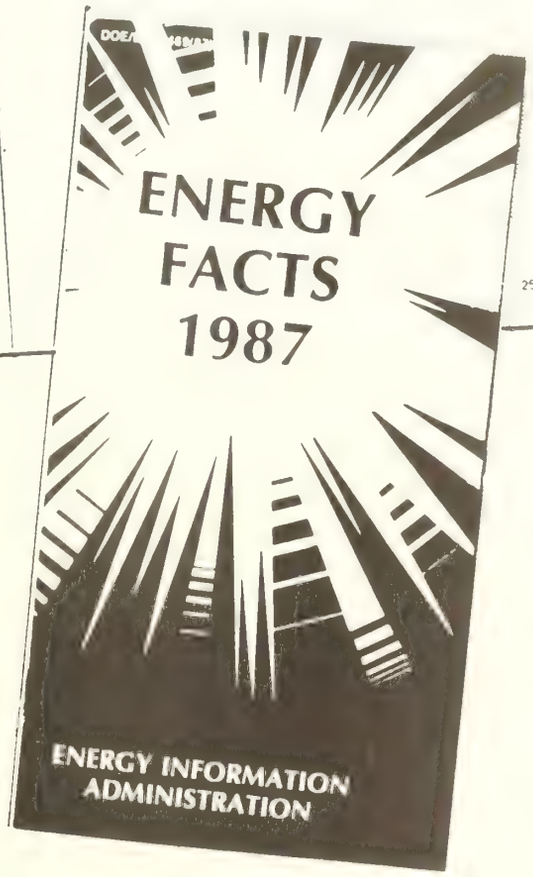
1987 Consumption

Residential
Commercial
Transportation
Industrial

24

25

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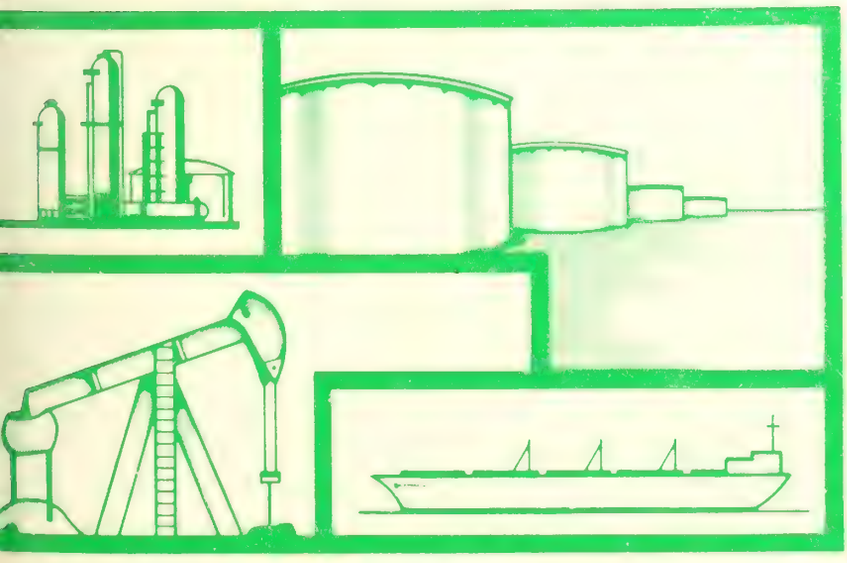
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Energy Information Administration

Petroleum Supply Annual 1988

Volume 2



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Petroleum Supply Annual 1988

Volume 2

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Additional information on all energy statistics available from the Energy Information Administration may be obtained from the National Energy Information Center (202) 586-8800.

Preface

The *Petroleum Supply Annual* (PSA) contains information on the supply and disposition of crude oil and petroleum products. The publication reflects data that were collected from the petroleum industry during 1988 through annual and monthly surveys. The *PSA* is divided into two volumes. This first volume contains two sections, U.S. Petroleum Supply and Refinery Capacity, each with final annual data. The second volume contains final statistics for each month of 1988, and replaces data previously published in the *Petroleum Supply Monthly* (PSM). The tables in Volumes 1 and 2 are similarly numbered to facilitate comparison between them. Explanatory Notes, located at the end of this publication, present information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables. Industry terminology and product definitions are listed alphabetically in the Glossary.

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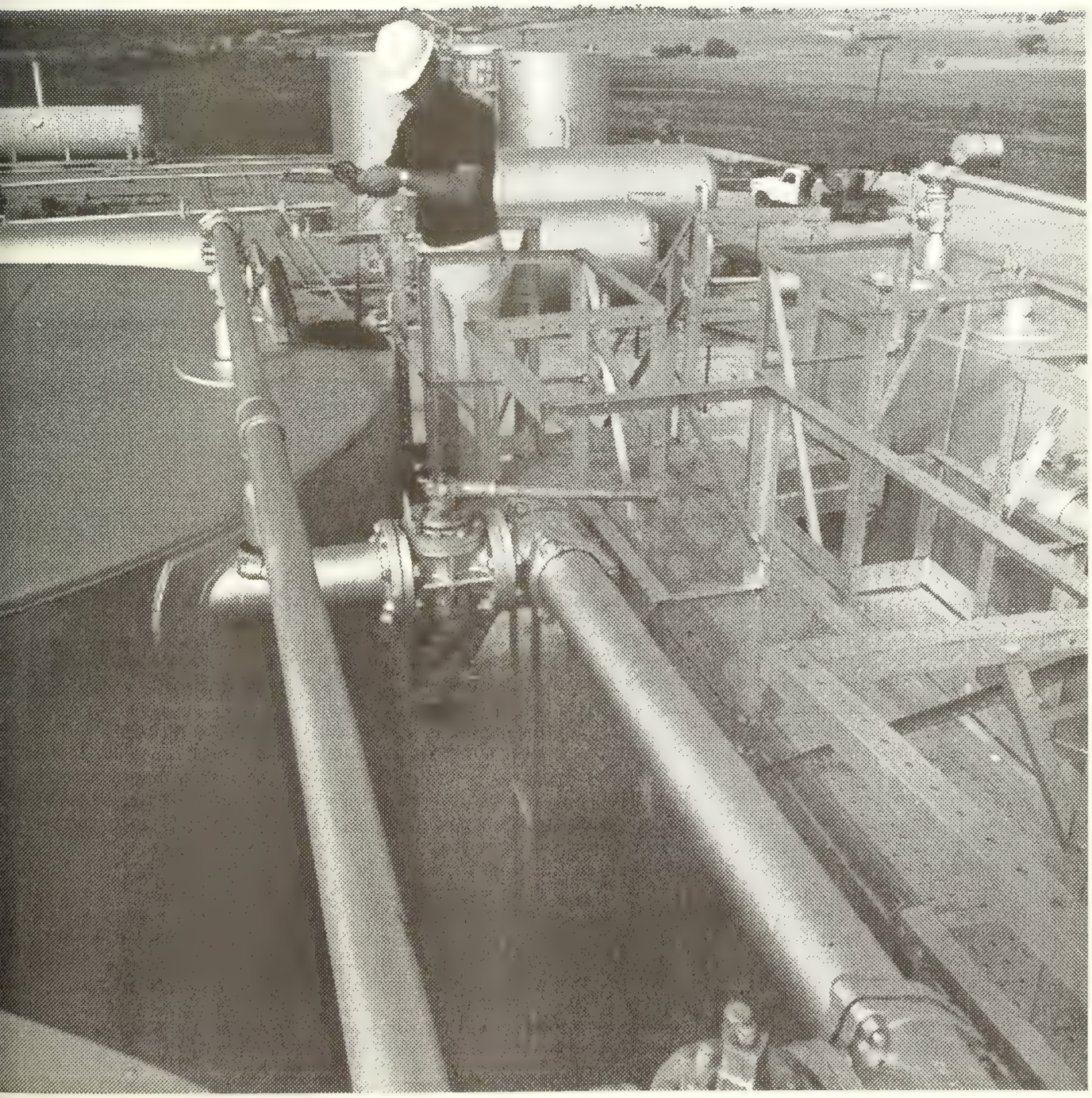
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At some locations, oil skimmers and knockout tanks (in background) are used to remove waste water from the crude oil. The crude oil is then put into storage tanks and gauged.

Changes in Natural Gas Liquids and Crude Oil Statistics

Beginning in 1988, adjustments are being made to refinery inputs and product supplied of natural gas liquids (NGLs) and refinery inputs of crude oil to account for refiner misreporting. Substantial volumes of NGLs are produced at natural gas processing plants in Alaska and injected into the crude oil moving in the Trans Alaska Pipeline System (TAPS). Refiners receiving any crude oil commingled with NGLs are instructed to report the NGL portion of that stream separately from the crude oil portion. This has not been done for Alaskan crude oil because refiners are unable to identify these volumes for accounting purposes. As a result, the NGL production in Alaska has been credited directly toward product supplied and also toward product supplied from refinery production when the refiner processes the crude oil-NGL mixture. In addition, the reporting of the commingled stream as crude oil by the refiner has overstated crude oil inputs and resulted in an increase in unaccounted for crude oil equal to the volume of NGL in the crude oil.

To offset this reporting error, an adjustment is being made to refinery input in all PAD Districts receiving Alaskan crude oil. The adjustment reduces the crude oil inputs and increases the NGL inputs by an equal amount. Each PAD District adjustment is a portion of the known Alaskan NGL production that is proportional to the PAD District's share of Alaskan crude oil received at all refineries in the United States. The greatest impact occurs in PAD District V for butane and pentanes plus.

The reporting problem began in 1987 and has grown as injections of NGLs into the TAPS have increased. Revisions for 1987 data are not planned.

Table 1. U.S. Petroleum Balance, January 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	61,971	1,999
(2) Lower 48 States	193,772	6,251
(3) Total U.S.	255,743	8,250
Net Imports		
(4) Imports (Gross Excluding SPR)	142,444	4,595
(5) SPR Imports	2,071	67
(6) Exports	6,399	206
(7) Imports (Net Including SPR)	138,116	4,455
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,072	-67
(9) Other Stock Withdrawal (+) or Addition (-)	3,412	110
(10) Product Supplied and Losses	-1,385	-45
(11) Unaccounted for [1]	6,691	216
(12) Total Other Sources	6,646	214
(13) Crude Input to Refineries	400,505	12,920
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	48,939	1,579
(15) Net Imports [2]	267	9
(16) Stock Withdrawal (+) or Addition (-) [2]	623	20
(17) Total NGPL Supply	49,829	1,607
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-4,943	-159
(19) Imports	13,089	422
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,469	47
(21) Refinery Processing Gain [1]	21,008	678
(22) Crude Oil Product Supplied	1,383	45
(23) Total Other Liquids	32,006	1,032
(23) = (18) through (22)		
(24) Total Production of Products [3]	482,340	15,559
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	64,677	2,086
(26) Exports	20,974	677
(27) Imports (Net)	43,703	1,410
(28) Total New Supply of Products	526,044	16,969
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	13,437	433
(30) Total Petroleum Products Supplied for Domestic Use	539,481	17,403
(30) = (28) + (29)		
(31) Finished Motor Gasoline	207,478	6,693
(32) Distillate Fuel Oil	110,302	3,558
(33) Residual Fuel Oil	51,505	1,661
(34) Liquefied Petroleum Gases	65,059	2,099
(35) Other [4]	103,753	3,347
(36) Crude Oil	1,383	45
(37) Total Product Supplied	539,481	17,403
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	345,583	--
(39) Strategic Petroleum Reserve (SPR)	542,720	--
(40) Unfinished Oils	95,984	--
(41) Gasoline Blending Components [5]	40,199	--
(42) Pentanes Plus	6,402	--
(43) Finished Refined Products [3]	566,106	--
(44) Total Stocks	1,596,994	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, February 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	60,020	2,070
(2) Lower 48 States	182,828	6,304
(3) Total U.S.	242,848	8,374
Net Imports		
(4) Imports (Gross Excluding SPR)	133,433	4,601
(5) SPR Imports	1,430	49
(6) Exports	4,226	146
(7) Imports (Net Including SPR)	130,637	4,505
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,426	-49
(9) Other Stock Withdrawal (+) or Addition (-)	-2,438	-84
(10) Product Supplied and Losses	-1,508	-52
(11) Unaccounted for [1]	-1,442	-50
(12) Total Other Sources	-6,814	-235
(13) Crude Input to Refineries	366,671	12,644
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	46,547	1,605
(15) Net Imports [2]	691	24
(16) Stock Withdrawal (+) or Addition (-) [2]	-199	-7
(17) Total NGPL Supply	47,039	1,622
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-1,315	-45
(19) Imports	10,094	348
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,126	39
(21) Refinery Processing Gain [1]	19,286	665
(22) Crude Oil Product Supplied	1,504	52
(23) Total Other Liquids	30,695	1,058
(23) = (18) through (22)		
(24) Total Production of Products [3]	444,405	15,324
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	64,715	2,232
(26) Exports	20,771	716
(27) Imports (Net)	43,944	1,515
(28) Total New Supply of Products	488,348	16,840
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	26,678	920
(30) Total Petroleum Products Supplied for Domestic Use	515,026	17,760
(30) = (28) + (29)		
(31) Finished Motor Gasoline	204,134	7,039
(32) Distillate Fuel Oil	103,153	3,557
(33) Residual Fuel Oil	49,245	1,698
(34) Liquefied Petroleum Gases	55,952	1,929
(35) Other [4]	101,037	3,484
(36) Crude Oil	1,504	52
(37) Total Product Supplied	515,026	17,760
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	348,021	--
(39) Strategic Petroleum Reserve (SPR)	544,146	--
(40) Unfinished Oils	98,508	--
(41) Gasoline Blending Components [5]	38,990	--
(42) Pentanes Plus	6,601	--
(43) Finished Refined Products [3]	539,428	--
(44) Total Stocks	1,575,694	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, March 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	64,668	2,086
(2) Lower 48 States	194,919	6,288
(3) Total U.S.	259,587	8,374
Net Imports		
(4) Imports (Gross Excluding SPR)	150,210	4,845
(5) SPR Imports	702	23
(6) Exports	6,598	213
(7) Imports (Net Including SPR)	144,314	4,655
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-792	-26
(9) Other Stock Withdrawal (+) or Addition (-)	-5,982	-193
(10) Product Supplied and Losses	-1,611	-52
(11) Unaccounted for [1]	7,988	258
(12) Total Other Sources	-397	-13
(13) Crude Input to Refineries	403,504	13,016
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,725	1,636
(15) Net Imports [2]	305	10
(16) Stock Withdrawal (+) or Addition (-) [2]	-735	-24
(17) Total NGPL Supply	50,295	1,622
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-2,924	-94
(19) Imports	10,884	351
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,885	61
(21) Refinery Processing Gain [1]	19,942	643
(22) Crude Oil Product Supplied	1,609	52
(23) Total Other Liquids	31,396	1,013
(23) = (18) through (22)		
(24) Total Production of Products [3]	485,195	15,651
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	53,110	1,713
(26) Exports	19,204	619
(27) Imports (Net)	33,906	1,094
(28) Total New Supply of Products	519,102	16,745
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	26,860	866
(30) Total Petroleum Products Supplied for Domestic Use	545,962	17,612
(30) = (28) + (29)		
(31) Finished Motor Gasoline	227,007	7,323
(32) Distillate Fuel Oil	109,695	3,539
(33) Residual Fuel Oil	45,767	1,476
(34) Liquefied Petroleum Gases	52,910	1,707
(35) Other [4]	108,974	3,515
(36) Crude Oil	1,609	52
(37) Total Product Supplied	545,962	17,612
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	354,003	--
(39) Strategic Petroleum Reserve (SPR)	544,938	--
(40) Unfinished Oils	102,473	--
(41) Gasoline Blending Components [5]	37,949	--
(42) Pentanes Plus	7,336	--
(43) Finished Refined Products [3]	512,568	--
(44) Total Stocks	1,559,267	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, April 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	60,877	2,029
(2) Lower 48 States	187,752	6,258
(3) Total U.S.	248,629	8,288
Net Imports		
(4) Imports (Gross Excluding SPR)	152,687	5,090
(5) SPR Imports	2,325	78
(6) Exports	3,433	114
(7) Imports (Net Including SPR)	151,579	5,053
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,320	-77
(9) Other Stock Withdrawal (+) or Addition (-)	-3,374	-112
(10) Product Supplied and Losses	-1,264	-42
(11) Unaccounted for [1]	803	27
(12) Total Other Sources	-6,155	-205
(13) Crude Input to Refineries	394,053	13,135
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	48,529	1,618
(15) Net Imports [2]	292	10
(16) Stock Withdrawal (+) or Addition (-) [2]	-921	-31
(17) Total NGPL Supply	47,900	1,597
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	57	2
(19) Imports	14,424	481
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,223	41
(21) Refinery Processing Gain [1]	18,836	628
(22) Crude Oil Product Supplied	1,259	42
(23) Total Other Liquids	35,799	1,193
(23) = (18) through (22)		
(24) Total Production of Products [3]	477,752	15,925
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	48,324	1,611
(26) Exports	16,788	560
(27) Imports (Net)	31,536	1,051
(28) Total New Supply of Products	509,289	16,976
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-12,473	-416
(30) Total Petroleum Products Supplied for Domestic Use	496,816	16,561
(30) = (28) + (29)		
(31) Finished Motor Gasoline	222,900	7,430
(32) Distillate Fuel Oil	85,921	2,864
(33) Residual Fuel Oil	39,548	1,318
(34) Liquefied Petroleum Gases	39,868	1,329
(35) Other [4]	107,320	3,577
(36) Crude Oil	1,259	42
(37) Total Product Supplied	496,816	16,561
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	357,377	--
(39) Strategic Petroleum Reserve (SPR)	547,258	--
(40) Unfinished Oils	103,116	--
(41) Gasoline Blending Components [5]	37,249	--
(42) Pentanes Plus	8,257	--
(43) Finished Refined Products [3]	525,041	--
(44) Total Stocks	1,578,298	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, May 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	62,492	2,016
(2) Lower 48 States	192,597	6,213
(3) Total U.S.	255,089	8,229
Net Imports		
(4) Imports (Gross Excluding SPR)	164,830	5,317
(5) SPR Imports	680	22
(6) Exports	4,285	138
(7) Imports (Net Including SPR)	161,225	5,201
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-691	-22
(9) Other Stock Withdrawal (+) or Addition (-)	-2,288	-74
(10) Product Supplied and Losses	-1,050	-34
(11) Unaccounted for [1]	3,882	125
(12) Total Other Sources	-147	-5
(13) Crude Input to Refineries	416,167	13,425
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,442	1,627
(15) Net Imports [2]	206	7
(16) Stock Withdrawal (+) or Addition (-) [2]	-173	-6
(17) Total NGPL Supply	50,475	1,628
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-9,704	-313
(19) Imports	15,316	494
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,351	44
(21) Refinery Processing Gain [1]	20,525	662
(22) Crude Oil Product Supplied	1,042	34
(23) Total Other Liquids	28,530	920
(23) = (18) through (22)		
(24) Total Production of Products [3]	495,172	15,973
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	50,436	1,627
(26) Exports	20,880	674
(27) Imports (Net)	29,557	953
(28) Total New Supply of Products	524,729	16,927
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-22,626	-730
(30) Total Petroleum Products Supplied for Domestic Use	502,103	16,197
(30) = (28) + (29)		
(31) Finished Motor Gasoline	226,390	7,303
(32) Distillate Fuel Oil	86,658	2,795
(33) Residual Fuel Oil	29,065	938
(34) Liquefied Petroleum Gases	41,052	1,324
(35) Other [4]	117,896	3,803
(36) Crude Oil	1,042	34
(37) Total Product Supplied	502,103	16,197
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	359,665	--
(39) Strategic Petroleum Reserve (SPR)	547,949	--
(40) Unfinished Oils	112,277	--
(41) Gasoline Blending Components [5]	37,792	--
(42) Pentanes Plus	8,430	--
(43) Finished Refined Products [3]	547,667	--
(44) Total Stocks	1,613,780	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, June 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	59,523	1,984
(2) Lower 48 States	185,578	6,186
(3) Total U.S.	245,102	8,170
Net Imports		
(4) Imports (Gross Excluding SPR)	157,560	5,252
(5) SPR Imports	2,107	70
(6) Exports	4,128	138
(7) Imports (Net Including SPR)	155,539	5,185
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,107	-70
(9) Other Stock Withdrawal (+) or Addition (-)	807	27
(10) Product Supplied and Losses	-968	-32
(11) Unaccounted for [1]	6,226	208
(12) Total Other Sources	3,958	132
(13) Crude Input to Refineries	404,599	13,487
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	48,477	1,616
(15) Net Imports [2]	189	6
(16) Stock Withdrawal (+) or Addition (-) [2]	-688	-23
(17) Total NGPL Supply	47,978	1,599
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-1,073	-36
(19) Imports	14,388	480
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,425	48
(21) Refinery Processing Gain [1]	19,548	652
(22) Crude Oil Product Supplied	967	32
(23) Total Other Liquids	35,255	1,175
(23) = (18) through (22)		
(24) Total Production of Products [3]	487,832	16,261
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	42,860	1,429
(26) Exports	23,944	798
(27) Imports (Net)	18,916	631
(28) Total New Supply of Products	506,749	16,892
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	5,032	168
(30) Total Petroleum Products Supplied for Domestic Use	511,781	17,059
(30) = (28) + (29)		
(31) Finished Motor Gasoline	234,515	7,817
(32) Distillate Fuel Oil	85,628	2,854
(33) Residual Fuel Oil	32,502	1,083
(34) Liquefied Petroleum Gases	40,000	1,333
(35) Other [4]	118,169	3,939
(36) Crude Oil	967	32
(37) Total Product Supplied	511,781	17,059
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	358,858	--
(39) Strategic Petroleum Reserve (SPR)	550,056	--
(40) Unfinished Oils	115,423	--
(41) Gasoline Blending Components [5]	35,719	--
(42) Pentanes Plus	9,118	--
(43) Finished Refined Products [3]	542,635	--
(44) Total Stocks	1,611,809	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, July 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	60,764	1,960
(2) Lower 48 States	188,465	6,080
(3) Total U.S.	249,229	8,040
Net Imports		
(4) Imports (Gross Excluding SPR)	156,810	5,058
(5) SPR Imports	1,290	42
(6) Exports	5,765	186
(7) Imports (Net Including SPR)	152,335	4,914
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,288	-42
(9) Other Stock Withdrawal (+) or Addition (-)	9,368	302
(10) Product Supplied and Losses	-907	-29
(11) Unaccounted for [1]	13,383	432
(12) Total Other Sources	20,556	663
(13) Crude Input to Refineries	422,120	13,617
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,156	1,618
(15) Net Imports [2]	-26	-1
(16) Stock Withdrawal (+) or Addition (-) [2]	-443	-14
(17) Total NGPL Supply	49,687	1,603
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	736	24
(19) Imports	14,734	475
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,718	55
(21) Refinery Processing Gain [1]	19,777	638
(22) Crude Oil Product Supplied	890	29
(23) Total Other Liquids	37,855	1,221
(23) = (18) through (22)		
(24) Total Production of Products [3]	509,662	16,441
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	53,333	1,720
(26) Exports	19,776	638
(27) Imports (Net)	33,557	1,082
(28) Total New Supply of Products	543,219	17,523
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-25,683	-828
(30) Total Petroleum Products Supplied for Domestic Use	517,536	16,695
(30) = (28) + (29)		
(31) Finished Motor Gasoline	231,938	7,482
(32) Distillate Fuel Oil	81,841	2,640
(33) Residual Fuel Oil	37,722	1,217
(34) Liquefied Petroleum Gases	43,770	1,412
(35) Other [4]	121,375	3,915
(36) Crude Oil	890	29
(37) Total Product Supplied	517,536	16,695
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	349,490	--
(39) Strategic Petroleum Reserve (SPR)	551,344	--
(40) Unfinished Oils	113,988	--
(41) Gasoline Blending Components [5]	36,418	--
(42) Pentanes Plus	9,561	--
(43) Finished Refined Products [3]	568,318	--
(44) Total Stocks	1,629,119	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, August 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	62,268	2,009
(2) Lower 48 States	188,191	6,071
(3) Total U.S.	250,459	8,079
Net Imports		
(4) Imports (Gross Excluding SPR)	156,970	5,064
(5) SPR Imports	796	26
(6) Exports	4,715	152
(7) Imports (Net Including SPR)	153,051	4,937
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-801	-26
(9) Other Stock Withdrawal (+) or Addition (-)	15,926	514
(10) Product Supplied and Losses	-919	-30
(11) Unaccounted for [1]	8,609	278
(12) Total Other Sources	22,815	736
(13) Crude Input to Refineries	426,325	13,752
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,096	1,616
(15) Net Imports [2]	529	17
(16) Stock Withdrawal (+) or Addition (-) [2]	-175	-6
(17) Total NGPL Supply	50,450	1,627
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	2,032	66
(19) Imports	11,785	380
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,053	66
(21) Refinery Processing Gain [1]	21,402	690
(22) Crude Oil Product Supplied	917	30
(23) Total Other Liquids	38,189	1,232
(23) = (18) through (22)		
(24) Total Production of Products [3]	514,964	16,612
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	58,810	1,897
(26) Exports	20,437	659
(27) Imports (Net)	38,373	1,238
(28) Total New Supply of Products	553,337	17,850
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-11,382	-367
(30) Total Petroleum Products Supplied for Domestic Use	541,955	17,482
(30) = (28) + (29)		
(31) Finished Motor Gasoline	234,248	7,556
(32) Distillate Fuel Oil	89,052	2,873
(33) Residual Fuel Oil	40,906	1,320
(34) Liquefied Petroleum Gases	46,177	1,490
(35) Other [4]	130,655	4,215
(36) Crude Oil	917	30
(37) Total Product Supplied	541,955	17,482
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	333,564	--
(39) Strategic Petroleum Reserve (SPR)	552,145	--
(40) Unfinished Oils	111,358	--
(41) Gasoline Blending Components [5]	37,016	--
(42) Pentanes Plus	9,736	--
(43) Finished Refined Products [3]	579,700	--
(44) Total Stocks	1,623,519	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, September 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	60,584	2,019
(2) Lower 48 States	176,263	5,875
(3) Total U.S.	236,847	7,895
Net Imports		
(4) Imports (Gross Excluding SPR)	153,849	5,128
(5) SPR Imports	2,506	84
(6) Exports	3,573	119
(7) Imports (Net Including SPR)	152,782	5,093
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,514	-84
(9) Other Stock Withdrawal (+) or Addition (-)	5,004	167
(10) Product Supplied and Losses	-1,123	-37
(11) Unaccounted for [1]	6,834	228
(12) Total Other Sources	8,201	273
(13) Crude Input to Refineries	397,830	13,261
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	48,630	1,621
(15) Net Imports [2]	101	3
(16) Stock Withdrawal (+) or Addition (-) [2]	-144	-5
(17) Total NGPL Supply	48,587	1,620
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-17	-1
(19) Imports	10,868	362
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,775	59
(21) Refinery Processing Gain [1]	17,949	598
(22) Crude Oil Product Supplied	1,121	37
(23) Total Other Liquids	31,696	1,057
(23) = (18) through (22)		
(24) Total Production of Products [3]	478,113	15,937
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	57,788	1,926
(26) Exports	16,548	552
(27) Imports (Net)	41,240	1,375
(28) Total New Supply of Products	519,352	17,312
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	-7,203	-240
(30) Total Petroleum Products Supplied for Domestic Use	512,149	17,072
(30) = (28) + (29)		
(31) Finished Motor Gasoline	222,114	7,404
(32) Distillate Fuel Oil	84,629	2,821
(33) Residual Fuel Oil	36,893	1,230
(34) Liquefied Petroleum Gases	50,931	1,698
(35) Other [4]	116,461	3,882
(36) Crude Oil	1,121	37
(37) Total Product Supplied	512,149	17,072
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	328,560	--
(39) Strategic Petroleum Reserve (SPR)	554,659	--
(40) Unfinished Oils	109,219	--
(41) Gasoline Blending Components [5]	39,172	--
(42) Pentanes Plus	9,880	--
(43) Finished Refined Products [3]	586,903	--
(44) Total Stocks	1,628,393	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, October 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	62,315	2,010
(2) Lower 48 States	186,389	6,013
(3) Total U.S.	248,704	8,023
Net Imports		
(4) Imports (Gross Excluding SPR)	170,737	5,508
(5) SPR Imports	1,343	43
(6) Exports	5,157	166
(7) Imports (Net Including SPR)	166,923	5,385
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-1,342	-43
(9) Other Stock Withdrawal (+) or Addition (-)	-11,028	-356
(10) Product Supplied and Losses	-1,310	-42
(11) Unaccounted for [1]	4,949	160
(12) Total Other Sources	-8,731	-282
(13) Crude Input to Refineries	406,896	13,126
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	51,496	1,661
(15) Net Imports [2]	284	9
(16) Stock Withdrawal (+) or Addition (-) [2]	725	23
(17) Total NGPL Supply	52,505	1,694
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	1,438	46
(19) Imports	11,749	379
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,653	53
(21) Refinery Processing Gain [1]	20,179	651
(22) Crude Oil Product Supplied	1,308	42
(23) Total Other Liquids	36,327	1,172
(23) = (18) through (22)		
(24) Total Production of Products [3]	495,728	15,991
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	58,564	1,889
(26) Exports	17,495	564
(27) Imports (Net)	41,069	1,325
(28) Total New Supply of Products	536,797	17,316
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	8,175	264
(30) Total Petroleum Products Supplied for Domestic Use	544,972	17,580
(30) = (28) + (29)		
(31) Finished Motor Gasoline	225,402	7,271
(32) Distillate Fuel Oil	99,767	3,218
(33) Residual Fuel Oil	41,634	1,343
(34) Liquefied Petroleum Gases	54,592	1,761
(35) Other [4]	122,269	3,944
(36) Crude Oil	1,308	42
(37) Total Product Supplied	544,972	17,580
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	339,588	--
(39) Strategic Petroleum Reserve (SPR)	556,001	--
(40) Unfinished Oils	109,014	--
(41) Gasoline Blending Components [5]	37,939	--
(42) Pentanes Plus	9,155	--
(43) Finished Refined Products [3]	578,728	--
(44) Total Stocks	1,630,425	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, November 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	60,800	2,027
(2) Lower 48 States	179,900	5,997
(3) Total U.S.	240,700	8,023
Net Imports		
(4) Imports (Gross Excluding SPR)	149,425	4,981
(5) SPR Imports	2,668	89
(6) Exports	4,429	148
(7) Imports (Net Including SPR)	147,664	4,922
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-2,672	-89
(9) Other Stock Withdrawal (+) or Addition (-)	2,574	86
(10) Product Supplied and Losses	-1,321	-44
(11) Unaccounted for [1]	7,749	258
(12) Total Other Sources	6,330	211
(13) Crude Input to Refineries	394,694	13,156
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	49,993	1,666
(15) Net Imports [2]	530	18
(16) Stock Withdrawal (+) or Addition (-) [2]	1,449	48
(17) Total NGPL Supply	51,972	1,732
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	-3,638	-121
(19) Imports	15,094	503
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	1,832	61
(21) Refinery Processing Gain [1]	19,252	642
(22) Crude Oil Product Supplied	1,319	44
(23) Total Other Liquids	33,859	1,129
(23) = (18) through (22)		
(24) Total Production of Products [3]	480,525	16,018
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	63,594	2,120
(26) Exports	16,966	566
(27) Imports (Net)	46,628	1,554
(28) Total New Supply of Products	527,153	17,572
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	1,437	48
(30) Total Petroleum Products Supplied for Domestic Use	528,590	17,620
(30) = (28) + (29)		
(31) Finished Motor Gasoline	221,355	7,379
(32) Distillate Fuel Oil	95,488	3,183
(33) Residual Fuel Oil	45,125	1,504
(34) Liquefied Petroleum Gases	53,452	1,782
(35) Other [4]	111,850	3,728
(36) Crude Oil	1,319	44
(37) Total Product Supplied	528,590	17,620
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	337,014	--
(39) Strategic Petroleum Reserve (SPR)	558,673	--
(40) Unfinished Oils	112,609	--
(41) Gasoline Blending Components [5]	37,982	--
(42) Pentanes Plus	7,706	--
(43) Finished Refined Products [3]	577,291	--
(44) Total Stocks	1,631,275	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

Table 1. U.S. Petroleum Balance, December 1988

	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		
Field Production		
(1) Alaska	61,862	1,996
(2) Lower 48 States	184,327	5,946
(3) Total U.S.	246,189	7,942
Net Imports		
(4) Imports (Gross Excluding SPR)	161,292	5,203
(5) SPR Imports	840	27
(6) Exports	4,006	129
(7) Imports (Net Including SPR)	158,126	5,101
Other Sources		
(8) SPR Withdrawal (+) or Addition (-)	-842	-27
(9) Other Stock Withdrawal (+) or Addition (-)	6,655	215
(10) Product Supplied and Losses	-1,382	-45
(11) Unaccounted for [1]	6,065	196
(12) Total Other Sources	10,496	339
(13) Crude Input to Refineries	414,811	13,381
(13) = (3) + (7) + (12)		
Natural Gas Plant Liquids (NGPL)		
(14) Field Production	50,662	1,634
(15) Net Imports [2]	25	1
(16) Stock Withdrawal (+) or Addition (-) [2]	1,057	34
(17) Total NGPL Supply	51,744	1,669
Other Liquids		
Unfinished Oils and Gasoline Blending Components, Total		
(18) Stock Withdrawal (+) or Addition (-)	11,484	370
(19) Imports	10,144	327
(20) Other Hydrocarbons and Alcohol New Supply (Field Production)	2,026	65
(21) Refinery Processing Gain [1]	22,056	711
(22) Crude Oil Product Supplied	1,378	44
(23) Total Other Liquids	47,088	1,519
(23) = (18) through (22)		
(24) Total Production of Products [3]	513,643	16,569
(24) = (13) + (17) + (23)		
Net Imports of Refined Products [3]		
(25) Imports (Gross)	67,176	2,167
(26) Exports	27,186	877
(27) Imports (Net)	39,990	1,290
(28) Total New Supply of Products	553,633	17,859
(28) = (24) + (27)		
(29) Refined Products Stock Withdrawal (+) or Addition (-) [3]	15,689	506
(30) Total Petroleum Products Supplied for Domestic Use	569,322	18,365
(30) = (28) + (29)		
(31) Finished Motor Gasoline	227,664	7,344
(32) Distillate Fuel Oil	110,375	3,560
(33) Residual Fuel Oil	54,362	1,754
(34) Liquefied Petroleum Gases	62,306	2,010
(35) Other [4]	113,237	3,653
(36) Crude Oil	1,378	44
(37) Total Product Supplied	569,322	18,365
(37) = (31) through (36)		
Ending Stocks, All Oils		
(38) Crude Oil and Lease Condensate (Excluding SPR)	330,359	--
(39) Strategic Petroleum Reserve (SPR)	559,515	--
(40) Unfinished Oils	99,858	--
(41) Gasoline Blending Components [5]	39,249	--
(42) Pentanes Plus	6,649	--
(43) Finished Refined Products [3]	561,602	--
(44) Total Stocks	1,597,232	--

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 7.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
Note: Totals may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 7.7.

(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**255,743**	**0**	**144,515**	**1,340**	**6,691**	**2**	**400,505**	**6,399**	**1,383**	**888,303**
Natural Gas Liquids and LRGs	**48,815**	**14,218**	**7,340**	**18,182**	**0**	**0**	**17,538**	**1,442**	**69,575**	**85,937**
Pentanes Plus	9,283	0	330	623	0	0	5,658	63	4,515	6,402
Liquefied Petroleum Gases	39,532	14,218	7,010	17,559	0	0	11,880	1,379	65,059	79,535
Ethane	13,762	163	7	2,440	0	0	40	126	16,207	19,821
Propane	15,889	10,709	3,905	11,104	0	0	242	892	40,473	36,688
Normal Butane	5,342	3,095	2,010	2,940	0	0	7,634	299	5,455	13,602
Isobutane	4,539	251	1,087	1,075	0	0	3,964	63	2,925	9,424
Other Liquids	**1,469**	**0**	**13,089**	**-4,943**	**0**	**0**	**19,500**	**0**	**-9,885**	**136,183**
Other Hydrocarbons and Alcohol	1,469	0	0	-47	0	0	1,422	0	0	474
Unfinished Oils	0	0	12,045	-2,799	0	0	15,583	0	-6,337	95,984
Motor Gasoline Blending Components	0	0	1,044	-2,098	0	0	2,494	0	-3,548	39,470
Aviation Gasoline Blending Components	0	0	0	1	0	0	1	0	0	255
Finished Petroleum Products	**124**	**444,333**	**57,668**	**-4,122**	**0**	**0**	**0**	**19,595**	**478,408**	**486,571**
Finished Motor Gasoline	10	208,623	11,079	-11,987	0	0	0	247	207,478	200,798
Finished Leaded Motor Gasoline	9	40,925	227	-807	0	0	0	130	40,224	53,924
Finished Unleaded Motor Gasoline	1	167,698	10,852	-11,180	0	0	0	117	167,254	146,874
Finished Aviation Gasoline	0	665	2	53	0	0	0	0	720	2,278
Naphtha-Type Jet Fuel	0	5,723	79	384	0	0	0	11	6,175	7,572
Kerosene-Type Jet Fuel	0	38,153	2,549	3,997	0	0	0	2,524	42,174	37,976
Kerosene	0	3,211	1,027	1,254	0	0	0	10	5,482	7,193
Distillate Fuel Oil	44	93,258	13,154	6,387	0	0	0	2,541	110,302	128,098
Residual Fuel Oil	0	31,068	24,959	1,377	0	0	0	5,899	51,505	46,033
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,347	1,898	-3	0	0	0	97	5,145	2,340
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,163	1,510	332	0	0	0	894	8,111	1,269
Special Naphthas	0	1,538	221	51	0	0	0	64	1,746	3,603
Lubricants	0	5,075	402	-789	0	0	0	602	4,086	14,060
Waxes	0	483	48	-38	0	0	0	36	457	821
Petroleum Coke	0	17,182	63	-557	0	0	0	6,657	10,031	7,307
Asphalt and Road Oil	0	7,146	618	-4,766	0	0	0	4	2,994	23,565
Still Gas	0	19,566	0	0	0	0	0	0	19,566	0
Miscellaneous Products	70	2,132	59	183	0	0	0	8	2,436	3,658
Total	**306,151**	**458,551**	**222,611**	**10,457**	**6,691**	**2**	**437,543**	**27,436**	**539,481**	**1,596,994**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**242,848**	**0**	**134,863**	**-3,864**	**-1,442**	**4**	**366,671**	**4,226**	**1,504**	**892,167**
Natural Gas Liquids and LRGs	**46,432**	**13,517**	**7,840**	**9,305**	**0**	**0**	**16,165**	**1,407**	**59,522**	**76,632**
Pentanes Plus	8,622	0	747	-199	0	0	5,544	56	3,570	6,601
Liquefied Petroleum Gases	37,810	13,517	7,093	9,504	0	0	10,621	1,350	55,952	70,031
Ethane	13,403	253	7	1,358	0	0	49	114	14,859	18,463
Propane	15,097	9,887	4,001	5,638	0	0	232	884	33,507	31,050
Normal Butane	5,194	3,152	2,005	1,804	0	0	6,244	296	5,615	11,798
Isobutane	4,116	225	1,080	704	0	0	4,096	56	1,972	8,720
Other Liquids	**1,126**	**0**	**10,094**	**-1,315**	**0**	**0**	**16,301**	**0**	**-6,396**	**137,498**
Other Hydrocarbons and Alcohol	1,126	0	0	112	0	0	1,238	0	0	362
Unfinished Oils	0	0	8,508	-2,524	0	0	10,965	0	-4,981	98,508
Motor Gasoline Blending Components	0	0	1,586	1,097	0	0	4,098	0	-1,415	38,373
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	255
Finished Petroleum Products	**115**	**404,906**	**57,622**	**17,174**	**0**	**0**	**0**	**19,421**	**460,396**	**469,397**
Finished Motor Gasoline	9	195,340	11,508	-2,187	0	0	0	536	204,134	202,985
Finished Leaded Motor Gasoline	8	38,887	397	2,408	0	0	0	180	41,520	51,516
Finished Unleaded Motor Gasoline	1	156,453	11,111	-4,595	0	0	0	356	162,614	151,469
Finished Aviation Gasoline	0	494	2	140	0	0	0	0	636	2,138
Naphtha-Type Jet Fuel	0	5,158	80	1,486	0	0	0	2	6,722	6,086
Kerosene-Type Jet Fuel	0	34,937	1,960	1,238	0	0	0	974	37,161	36,738
Kerosene	0	3,417	568	230	0	0	0	126	4,089	6,963
Distillate Fuel Oil	41	77,303	11,107	17,797	0	0	0	3,095	103,153	110,301
Residual Fuel Oil	0	28,821	26,116	943	0	0	0	6,635	49,245	45,090
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,289	2,584	-27	0	0	0	119	5,727	2,367
Other Oils > 400 Deg. for Petro. Feed. Use	0	5,435	2,590	-463	0	0	0	143	7,419	1,732
Special Naphthas	0	1,413	60	183	0	0	0	107	1,549	3,420
Lubricants	0	5,039	397	155	0	0	0	653	4,938	13,905
Waxes	0	509	56	-29	0	0	0	31	505	850
Petroleum Coke	0	15,857	118	121	0	0	0	6,989	9,107	7,186
Asphalt and Road Oil	0	7,920	450	-2,348	0	0	0	4	6,018	25,913
Still Gas	0	18,094	0	0	0	0	0	0	18,094	0
Miscellaneous Products	65	1,880	26	-65	0	0	0	8	1,898	3,723
Total	**290,521**	**418,423**	**210,419**	**21,300**	**-1,442**	**4**	**399,137**	**25,053**	**515,026**	**1,575,694**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**259,587**	**0**	**150,912**	**-6,774**	**7,988**	**2**	**403,504**	**6,598**	**1,609**	**898,941**
Natural Gas Liquids and LRGs	**50,615**	**15,234**	**5,469**	**830**	**0**	**0**	**15,291**	**1,175**	**55,682**	**75,802**
Pentanes Plus	9,451	0	368	-735	0	0	6,249	63	2,772	7,336
Liquefied Petroleum Gases	41,164	15,234	5,101	1,565	0	0	9,042	1,112	52,910	68,466
Ethane	15,074	299	116	962	0	0	71	127	16,253	17,501
Propane	16,287	10,282	2,750	1,099	0	0	230	604	29,585	29,951
Normal Butane	5,289	4,047	1,451	-535	0	0	4,550	319	5,383	12,333
Isobutane	4,514	606	783	39	0	0	4,191	63	1,689	8,681
Other Liquids	**1,885**	**0**	**10,884**	**-2,924**	**0**	**0**	**15,055**	**0**	**-5,210**	**140,422**
Other Hydrocarbons and Alcohol	1,885	0	0	-64	0	0	1,821	0	0	426
Unfinished Oils	0	0	9,546	-3,965	0	0	9,666	0	-4,085	102,473
Motor Gasoline Blending Components	0	0	1,338	1,031	0	0	3,494	0	-1,125	37,342
Aviation Gasoline Blending Components	0	0	0	74	0	0	74	0	0	181
Finished Petroleum Products	**110**	**438,558**	**48,009**	**25,295**	**0**	**0**	**0**	**18,092**	**493,881**	**444,102**
Finished Motor Gasoline	10	208,155	10,814	8,584	0	0	0	556	227,007	194,401
Finished Leaded Motor Gasoline	9	41,451	297	2,755	0	0	0	206	44,306	48,761
Finished Unleaded Motor Gasoline	1	166,704	10,517	5,829	0	0	0	350	182,701	145,640
Finished Aviation Gasoline	0	687	2	113	0	0	0	0	802	2,025
Naphtha-Type Jet Fuel	0	6,540	66	-553	0	0	0	2	6,051	6,639
Kerosene-Type Jet Fuel	0	38,512	2,940	-2,789	0	0	0	1,624	37,039	39,527
Kerosene	0	2,108	443	600	0	0	0	21	3,130	6,363
Distillate Fuel Oil	43	83,855	7,648	20,458	0	0	0	2,309	109,695	89,843
Residual Fuel Oil	0	29,390	20,160	1,344	0	0	0	5,127	45,767	43,746
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,901	1,921	94	0	0	0	156	5,760	2,273
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,458	2,148	270	0	0	0	581	9,295	1,462
Special Naphthas	0	1,596	293	187	0	0	0	122	1,954	3,233
Lubricants	0	5,828	401	-135	0	0	0	809	5,285	14,040
Waxes	0	543	50	61	0	0	0	45	609	789
Petroleum Coke	0	17,077	53	-19	0	0	0	6,720	10,391	7,205
Asphalt and Road Oil	0	10,588	1,009	-3,459	0	0	0	9	8,129	29,372
Still Gas	0	20,103	0	0	0	0	0	0	20,103	0
Miscellaneous Products	57	2,217	61	539	0	0	0	8	2,866	3,184
Total	**312,197**	**453,792**	**215,274**	**16,427**	**7,988**	**2**	**433,850**	**25,865**	**545,962**	**1,559,267**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**248,629**	**0**	**155,012**	**-5,694**	**803**	**5**	**394,053**	**3,433**	**1,259**	**904,635**
Natural Gas Liquids and LRGs	**48,408**	**14,716**	**6,492**	**-11,762**	**0**	**0**	**13,502**	**1,357**	**42,996**	**87,564**
Pentanes Plus	8,959	0	351	-921	0	0	5,203	59	3,127	8,257
Liquefied Petroleum Gases	39,449	14,716	6,141	-10,841	0	0	8,299	1,298	39,868	79,307
Ethane	15,064	274	50	132	0	0	68	118	15,334	17,369
Propane	15,528	10,370	2,639	-8,331	0	0	231	804	19,171	38,282
Normal Butane	4,539	3,595	2,236	-2,266	0	0	3,647	317	4,140	14,599
Isobutane	4,318	477	1,216	-376	0	0	4,353	59	1,223	9,057
Other Liquids	**1,223**	**0**	**14,424**	**57**	**0**	**0**	**20,328**	**0**	**-4,624**	**140,365**
Other Hydrocarbons and Alcohol	1,223	0	0	-29	0	0	1,194	0	0	455
Unfinished Oils	0	0	12,957	-643	0	0	15,048	0	-2,734	103,116
Motor Gasoline Blending Components	0	0	1,467	777	0	0	4,064	0	-1,820	36,565
Aviation Gasoline Blending Components	0	0	0	-48	0	0	22	0	-70	229
Finished Petroleum Products	**121**	**432,003**	**42,183**	**-1,632**	**0**	**0**	**0**	**15,490**	**457,185**	**445,734**
Finished Motor Gasoline	9	207,200	11,978	4,266	0	0	0	553	222,900	190,135
Finished Leaded Motor Gasoline	8	41,528	272	1,677	0	0	0	310	43,175	47,084
Finished Unleaded Motor Gasoline	1	165,672	11,706	2,589	0	0	0	243	179,725	143,051
Finished Aviation Gasoline	0	678	4	53	0	0	0	0	735	1,972
Naphtha-Type Jet Fuel	0	6,089	89	363	0	0	0	3	6,538	6,276
Kerosene-Type Jet Fuel	0	32,641	2,422	507	0	0	0	392	35,178	39,020
Kerosene	0	1,490	229	330	0	0	0	11	2,038	6,033
Distillate Fuel Oil	53	85,952	6,313	-5,129	0	0	0	1,268	85,921	94,972
Residual Fuel Oil	0	28,792	14,861	990	0	0	0	5,095	39,548	42,756
Naphtha < 400 Deg. for Petro. Feed. Use	0	4,285	2,529	87	0	0	0	128	6,773	2,186
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,600	2,036	-534	0	0	0	578	8,524	1,996
Special Naphthas	0	1,745	163	-86	0	0	0	91	1,731	3,319
Lubricants	0	5,330	359	-55	0	0	0	1,021	4,613	14,095
Waxes	0	561	46	-48	0	0	0	43	516	837
Petroleum Coke	0	15,822	44	-246	0	0	0	6,296	9,324	7,451
Asphalt and Road Oil	0	11,792	1,050	-2,009	0	0	0	4	10,829	31,381
Still Gas	0	19,946	0	0	0	0	0	0	19,946	0
Miscellaneous Products	59	2,080	60	-121	0	0	0	6	2,072	3,305
Total	**298,381**	**446,719**	**218,111**	**-19,031**	**803**	**5**	**427,883**	**20,279**	**496,816**	**1,578,298**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**255,089**	**0**	**165,510**	**-2,979**	**3,882**	**8**	**416,167**	**4,285**	**1,042**	**907,614**
Natural Gas Liquids and LRGs	**50,324**	**15,364**	**5,389**	**-10,810**	**0**	**0**	**14,393**	**1,214**	**44,660**	**98,374**
Pentanes Plus	9,370	0	271	-173	0	0	5,795	65	3,608	8,430
Liquefied Petroleum Gases	40,954	15,364	5,118	-10,637	0	0	8,598	1,149	41,052	89,944
Ethane	15,626	214	19	-918	0	0	90	130	14,721	18,287
Propane	15,588	11,081	2,437	-7,703	0	0	246	630	20,527	45,985
Normal Butane	5,240	3,507	1,725	-2,278	0	0	3,428	325	4,441	16,877
Isobutane	4,500	562	937	262	0	0	4,834	65	1,362	8,795
Other Liquids	**1,351**	**0**	**15,316**	**-9,704**	**0**	**0**	**9,750**	**0**	**-2,787**	**150,069**
Other Hydrocarbons and Alcohol	1,351	0	0	121	0	0	1,472	0	0	334
Unfinished Oils	0	0	12,634	-9,161	0	0	6,809	0	-3,336	112,277
Motor Gasoline Blending Components	0	0	2,682	-726	0	0	1,407	0	549	37,291
Aviation Gasoline Blending Components	0	0	0	62	0	0	62	0	0	167
Finished Petroleum Products	**118**	**445,471**	**45,318**	**-11,989**	**0**	**0**	**0**	**19,730**	**459,188**	**457,723**
Finished Motor Gasoline	10	212,359	13,556	1,318	0	0	0	853	226,390	188,817
Finished Leaded Motor Gasoline	9	42,121	543	2,222	0	0	0	201	44,694	44,862
Finished Unleaded Motor Gasoline	1	170,238	13,013	-904	0	0	0	652	181,696	143,955
Finished Aviation Gasoline	0	957	85	-6	0	0	0	0	1,036	1,978
Naphtha-Type Jet Fuel	0	7,089	110	-577	0	0	0	83	6,539	6,853
Kerosene-Type Jet Fuel	0	32,828	3,357	-190	0	0	0	119	35,876	39,210
Kerosene	0	1,488	77	562	0	0	0	13	2,114	5,471
Distillate Fuel Oil	44	90,978	7,838	-9,907	0	0	0	2,295	86,658	104,879
Residual Fuel Oil	0	26,723	13,390	-2,906	0	0	0	8,142	29,065	45,662
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,485	2,887	88	0	0	0	142	6,318	2,098
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,007	2,026	-315	0	0	0	389	7,329	2,311
Special Naphthas	0	1,732	263	-189	0	0	0	327	1,479	3,508
Lubricants	0	5,588	388	216	0	0	0	780	5,412	13,879
Waxes	0	501	71	34	0	0	0	65	541	803
Petroleum Coke	0	16,833	54	-34	0	0	0	6,508	10,345	7,485
Asphalt and Road Oil	0	15,336	1,159	559	0	0	0	7	17,047	30,822
Still Gas	0	21,194	0	0	0	0	0	0	21,194	0
Miscellaneous Products	64	2,373	57	-642	0	0	0	7	1,845	3,947
Total	**306,882**	**460,835**	**231,533**	**-35,482**	**3,882**	**8**	**440,310**	**25,229**	**502,103**	**1,613,780**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**245,102**	**0**	**159,667**	**-1,300**	**6,226**	**1**	**404,599**	**4,128**	**967**	**908,914**
Natural Gas Liquids and LRGs	**48,345**	**15,206**	**4,563**	**-10,622**	**0**	**0**	**13,225**	**1,189**	**43,078**	**108,996**
Pentanes Plus	9,129	0	252	-688	0	0	5,552	63	3,078	9,118
Liquefied Petroleum Gases	39,216	15,206	4,311	-9,934	0	0	7,673	1,126	40,000	99,878
Ethane	15,102	321	6	-221	0	0	57	126	15,025	18,508
Propane	14,717	10,251	2,318	-6,211	0	0	268	585	20,222	52,196
Normal Butane	5,032	4,180	1,289	-3,057	0	0	2,923	353	4,168	19,934
Isobutane	4,365	454	698	-445	0	0	4,425	63	585	9,240
Other Liquids	**1,425**	**0**	**14,388**	**-1,073**	**0**	**0**	**17,756**	**0**	**-3,016**	**151,142**
Other Hydrocarbons and Alcohol	1,425	0	0	20	0	0	1,445	0	0	314
Unfinished Oils	0	0	12,327	-3,146	0	0	12,790	0	-3,609	115,423
Motor Gasoline Blending Components	0	0	2,061	2,067	0	0	3,535	0	593	35,224
Aviation Gasoline Blending Components	0	0	0	-14	0	0	-14	0	0	181
Finished Petroleum Products	**132**	**439,922**	**38,549**	**14,966**	**0**	**0**	**0**	**22,818**	**470,751**	**442,757**
Finished Motor Gasoline	10	209,473	12,839	13,953	0	0	0	1,760	234,515	174,864
Finished Leaded Motor Gasoline	9	41,996	530	2,173	0	0	0	271	44,437	42,689
Finished Unleaded Motor Gasoline	1	167,477	12,309	11,780	0	0	0	1,490	190,077	132,175
Finished Aviation Gasoline	0	782	18	171	0	0	0	0	971	1,807
Naphtha-Type Jet Fuel	0	6,244	98	112	0	0	0	1	6,453	6,741
Kerosene-Type Jet Fuel	0	34,002	2,240	399	0	0	0	463	36,178	38,811
Kerosene	0	1,649	263	-499	0	0	0	15	1,398	5,970
Distillate Fuel Oil	49	86,736	6,649	-5,539	0	0	0	2,267	85,628	110,418
Residual Fuel Oil	0	26,398	10,086	3,497	0	0	0	7,479	32,502	42,165
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,436	2,746	13	0	0	0	143	6,052	2,085
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,602	1,837	169	0	0	0	672	7,936	2,142
Special Naphthas	0	1,795	236	-136	0	0	0	182	1,713	3,644
Lubricants	0	5,458	207	-55	0	0	0	1,016	4,594	13,934
Waxes	0	523	44	12	0	0	0	30	549	791
Petroleum Coke	0	16,411	8	-695	0	0	0	8,723	7,001	8,180
Asphalt and Road Oil	0	17,465	1,235	3,111	0	0	0	60	21,751	27,711
Still Gas	0	20,656	0	0	0	0	0	0	20,656	0
Miscellaneous Products	73	2,292	43	453	0	0	0	7	2,854	3,494
Total	**295,004**	**455,128**	**217,167**	**1,971**	**6,226**	**1**	**435,580**	**28,135**	**511,781**	**1,611,809**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**249,229**	**0**	**158,100**	**8,080**	**13,383**	**17**	**422,120**	**5,765**	**890**	**900,834**
Natural Gas Liquids and LRGs	**50,054**	**16,708**	**7,260**	**-12,225**	**0**	**0**	**13,439**	**1,160**	**47,198**	**121,221**
Pentanes Plus	9,650	0	37	-443	0	0	5,753	63	3,428	9,561
Liquefied Petroleum Gases	40,404	16,708	7,223	-11,782	0	0	7,686	1,097	43,770	111,660
Ethane	15,432	422	8	-27	0	0	55	130	15,650	18,535
Propane	15,306	11,325	3,903	-6,535	0	0	261	628	23,110	58,731
Normal Butane	5,097	4,381	2,148	-4,741	0	0	2,551	276	4,058	24,675
Isobutane	4,569	580	1,164	-479	0	0	4,819	63	952	9,719
Other Liquids	**1,718**	**0**	**14,734**	**736**	**0**	**0**	**20,009**	**0**	**-2,821**	**150,406**
Other Hydrocarbons and Alcohol	1,718	0	0	59	0	0	1,777	0	0	255
Unfinished Oils	0	0	12,454	1,435	0	0	16,234	0	-2,345	113,988
Motor Gasoline Blending Components	0	0	2,280	-607	0	0	2,020	0	-347	35,831
Aviation Gasoline Blending Components	0	0	0	-151	0	0	-22	0	-129	332
Finished Petroleum Products	**102**	**458,637**	**46,109**	**-13,901**	**0**	**0**	**0**	**18,679**	**472,269**	**456,658**
Finished Motor Gasoline	10	221,925	14,946	-4,578	0	0	0	365	231,938	179,442
Finished Leaded Motor Gasoline	9	43,220	320	-1,878	0	0	0	199	41,472	44,567
Finished Unleaded Motor Gasoline	1	178,705	14,626	-2,700	0	0	0	166	190,466	134,875
Finished Aviation Gasoline	0	1,001	6	24	0	0	0	0	1,031	1,783
Naphtha-Type Jet Fuel	0	6,470	98	-8	0	0	0	0	6,560	6,749
Kerosene-Type Jet Fuel	0	35,787	2,625	-1,337	0	0	0	107	36,968	40,148
Kerosene	0	1,984	13	-241	0	0	0	6	1,750	6,211
Distillate Fuel Oil	42	86,260	6,872	-9,537	0	0	0	1,796	81,841	119,955
Residual Fuel Oil	0	28,096	14,858	1,158	0	0	0	6,390	37,722	41,007
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,133	2,213	-126	0	0	0	203	5,017	2,211
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,505	2,511	-108	0	0	0	323	9,585	2,250
Special Naphthas	0	1,537	216	77	0	0	0	283	1,547	3,567
Lubricants	0	5,222	313	-159	0	0	0	796	4,580	14,093
Waxes	0	596	53	-111	0	0	0	90	448	902
Petroleum Coke	0	16,665	110	-290	0	0	0	8,264	8,221	8,470
Asphalt and Road Oil	0	18,622	1,182	1,400	0	0	0	43	21,161	26,311
Still Gas	0	21,795	0	0	0	0	0	0	21,795	0
Miscellaneous Products	50	2,039	93	-65	0	0	0	10	2,107	3,559
Total	**301,103**	**475,345**	**226,204**	**-17,310**	**13,383**	**17**	**455,568**	**25,604**	**517,536**	**1,629,119**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**250,459**	**0**	**157,766**	**15,125**	**8,609**	**2**	**426,325**	**4,715**	**917**	**885,709**
Natural Gas Liquids and LRGs	**49,977**	**17,020**	**8,079**	**-9,066**	**0**	**0**	**14,657**	**1,613**	**49,741**	**130,287**
Pentanes Plus	9,733	0	596	-175	0	0	6,523	67	3,564	9,736
Liquefied Petroleum Gases	40,244	17,020	7,483	-8,891	0	0	8,134	1,546	46,177	120,551
Ethane	15,305	432	83	522	0	0	58	136	16,148	18,013
Propane	15,210	11,745	3,720	-4,863	0	0	263	850	24,699	63,594
Normal Butane	5,171	4,437	2,377	-4,124	0	0	2,911	493	4,457	28,799
Isobutane	4,558	406	1,303	-426	0	0	4,902	67	872	10,145
Other Liquids	**2,053**	**0**	**11,785**	**2,032**	**0**	**0**	**18,166**	**0**	**-2,296**	**148,374**
Other Hydrocarbons and Alcohol	2,053	0	0	-56	0	0	1,997	0	0	311
Unfinished Oils	0	0	10,138	2,630	0	0	14,102	0	-1,334	111,358
Motor Gasoline Blending Components	0	0	1,647	-761	0	0	1,848	0	-962	36,592
Aviation Gasoline Blending Components	0	0	0	219	0	0	219	0	0	113
Finished Petroleum Products	**119**	**463,530**	**51,327**	**-2,491**	**0**	**0**	**0**	**18,892**	**493,593**	**459,149**
Finished Motor Gasoline	10	223,471	15,309	-4,063	0	0	0	479	234,248	183,505
Finished Leaded Motor Gasoline	9	40,925	212	53	0	0	0	151	41,048	44,514
Finished Unleaded Motor Gasoline	1	182,546	15,097	-4,116	0	0	0	328	193,200	138,991
Finished Aviation Gasoline	0	1,000	4	-123	0	0	0	0	881	1,906
Naphtha-Type Jet Fuel	0	6,388	105	-144	0	0	0	20	6,329	6,893
Kerosene-Type Jet Fuel	0	35,292	3,087	402	0	0	0	440	38,341	39,746
Kerosene	0	2,498	235	-957	0	0	0	10	1,766	7,168
Distillate Fuel Oil	41	88,255	8,648	-5,734	0	0	0	2,158	89,052	125,689
Residual Fuel Oil	0	26,858	18,012	3,000	0	0	0	6,964	40,906	38,007
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,234	2,144	171	0	0	0	198	5,351	2,040
Other Oils > 400 Deg. for Petro. Feed. Use	0	7,681	1,818	-233	0	0	0	608	8,658	2,483
Special Naphthas	0	2,013	307	-2	0	0	0	285	2,033	3,569
Lubricants	0	5,279	218	422	0	0	0	806	5,113	13,671
Waxes	0	480	44	33	0	0	0	63	494	869
Petroleum Coke	0	16,737	52	911	0	0	0	6,775	10,925	7,559
Asphalt and Road Oil	0	20,031	1,278	3,739	0	0	0	76	24,972	22,572
Still Gas	0	21,988	0	0	0	0	0	0	21,988	0
Miscellaneous Products	68	2,325	66	87	0	0	0	9	2,537	3,472
Total	**302,608**	**480,550**	**228,957**	**5,600**	**8,609**	**2**	**459,148**	**25,219**	**541,955**	**1,623,519**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	**236,847**	**0**	**156,355**	**2,490**	**6,834**	**2**	**397,830**	**3,573**	**1,121**	**883,219**
Natural Gas Liquids and LRGs	**48,522**	**15,875**	**5,992**	**-753**	**0**	**0**	**13,581**	**1,338**	**54,717**	**131,040**
Pentanes Plus	9,182	0	158	-144	0	0	5,353	57	3,786	9,880
Liquefied Petroleum Gases	39,340	15,875	5,834	-609	0	0	8,228	1,281	50,931	121,160
Ethane	15,412	488	30	-291	0	0	68	115	15,456	18,304
Propane	14,656	11,160	3,220	520	0	0	266	760	28,530	63,074
Normal Butane	4,863	3,745	1,671	-370	0	0	3,794	349	5,767	29,169
Isobutane	4,409	482	913	-468	0	0	4,100	57	1,179	10,613
Other Liquids	**1,775**	**0**	**10,868**	**-17**	**0**	**0**	**20,132**	**0**	**-7,506**	**148,391**
Other Hydrocarbons and Alcohol	1,775	0	0	5	0	0	1,780	0	0	306
Unfinished Oils	0	0	9,363	2,139	0	0	17,193	0	-5,691	109,219
Motor Gasoline Blending Components	0	0	1,505	-2,083	0	0	1,237	0	-1,815	38,675
Aviation Gasoline Blending Components	0	0	0	-78	0	0	-78	0	0	191
Finished Petroleum Products	**108**	**433,617**	**51,954**	**-6,594**	**0**	**0**	**0**	**15,267**	**463,818**	**465,743**
Finished Motor Gasoline	10	208,444	13,297	834	0	0	0	471	222,114	182,671
Finished Leaded Motor Gasoline	9	36,218	127	2,605	0	0	0	301	38,658	41,909
Finished Unleaded Motor Gasoline	1	172,226	13,170	-1,771	0	0	0	169	183,457	140,762
Finished Aviation Gasoline	0	827	17	2	0	0	0	0	846	1,904
Naphtha-Type Jet Fuel	0	5,944	79	390	0	0	0	214	6,199	6,503
Kerosene-Type Jet Fuel	0	35,306	1,757	-314	0	0	0	265	36,484	40,060
Kerosene	0	2,397	391	-308	0	0	0	41	2,439	7,476
Distillate Fuel Oil	33	83,310	9,204	-5,762	0	0	0	2,156	84,629	131,451
Residual Fuel Oil	0	25,549	20,937	-6,585	0	0	0	3,008	36,893	44,592
Naphtha < 400 Deg. for Petro. Feed. Use	0	2,766	2,420	-162	0	0	0	182	4,842	2,202
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,122	2,298	837	0	0	0	474	8,783	1,646
Special Naphthas	0	1,659	76	310	0	0	0	294	1,751	3,259
Lubricants	0	4,315	333	1,130	0	0	0	909	4,869	12,541
Waxes	0	471	40	40	0	0	0	70	481	829
Petroleum Coke	0	16,027	9	309	0	0	0	7,135	9,210	7,250
Asphalt and Road Oil	0	17,849	1,027	2,442	0	0	0	41	21,277	20,130
Still Gas	0	20,418	0	0	0	0	0	0	20,418	0
Miscellaneous Products	65	2,213	69	243	0	0	0	9	2,581	3,229
Total	**287,252**	**449,492**	**225,169**	**-4,874**	**6,834**	**2**	**431,543**	**20,178**	**512,149**	**1,628,393**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**248,704**	**0**	**172,080**	**-12,370**	**4,949**	**2**	**406,896**	**5,157**	**1,308**	**895,589**
Natural Gas Liquids and LRGs	**51,371**	**15,953**	**7,035**	**2,181**	**0**	**0**	**15,626**	**1,792**	**59,121**	**128,859**
Pentanes Plus	9,292	0	335	725	0	0	5,772	51	4,529	9,155
Liquefied Petroleum Gases	42,079	15,953	6,700	1,456	0	0	9,854	1,741	54,592	119,704
Ethane	16,607	270	36	353	0	0	75	102	17,089	17,951
Propane	15,835	11,592	3,212	1,303	0	0	258	1,288	30,396	61,771
Normal Butane	5,242	3,772	2,244	-529	0	0	5,140	300	5,289	29,698
Isobutane	4,395	319	1,208	329	0	0	4,381	51	1,819	10,284
Other Liquids	**1,653**	**0**	**11,749**	**1,438**	**0**	**0**	**17,862**	**0**	**-3,022**	**146,953**
Other Hydrocarbons and Alcohol	1,653	0	0	-31	0	0	1,622	0	0	337
Unfinished Oils	0	0	10,253	205	0	0	13,015	0	-2,557	109,014
Motor Gasoline Blending Components	0	0	1,496	1,346	0	0	3,306	0	-464	37,329
Aviation Gasoline Blending Components	0	0	0	-82	0	0	-81	0	-1	273
Finished Petroleum Products	**125**	**444,610**	**51,864**	**6,719**	**0**	**0**	**0**	**15,753**	**487,565**	**459,024**
Finished Motor Gasoline	10	212,577	10,915	2,310	0	0	0	410	225,402	180,361
Finished Leaded Motor Gasoline	9	36,622	60	3,224	0	0	0	135	39,780	38,685
Finished Unleaded Motor Gasoline	1	175,955	10,855	-914	0	0	0	275	185,622	141,676
Finished Aviation Gasoline	0	823	4	-43	0	0	0	0	784	1,947
Naphtha-Type Jet Fuel	0	6,443	83	187	0	0	0	77	6,636	6,316
Kerosene-Type Jet Fuel	0	35,908	4,434	-695	0	0	0	54	39,593	40,755
Kerosene	0	2,471	857	-554	0	0	0	65	2,709	8,030
Distillate Fuel Oil	39	87,591	10,423	3,203	0	0	0	1,489	99,767	128,248
Residual Fuel Oil	0	26,413	18,704	2,122	0	0	0	5,605	41,634	42,470
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,029	2,324	47	0	0	0	149	5,251	2,155
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,739	2,254	280	0	0	0	339	8,934	1,366
Special Naphthas	0	2,059	220	7	0	0	0	104	2,182	3,252
Lubricants	0	5,195	340	-242	0	0	0	561	4,732	12,783
Waxes	0	521	58	10	0	0	0	39	550	819
Petroleum Coke	0	16,404	21	-809	0	0	0	6,848	8,768	8,059
Asphalt and Road Oil	0	15,737	1,161	1,100	0	0	0	5	17,993	19,030
Still Gas	0	20,471	0	0	0	0	0	0	20,471	0
Miscellaneous Products	76	2,229	66	-204	0	0	0	8	2,159	3,433
Total	**301,853**	**460,563**	**242,728**	**-2,032**	**4,949**	**2**	**440,384**	**22,703**	**544,972**	**1,630,425**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**240,700**	**0**	**152,093**	**-98**	**7,749**	**2**	**394,694**	**4,429**	**1,319**	**895,687**
Natural Gas Liquids and LRGs	**49,881**	**14,140**	**8,379**	**7,620**	**0**	**0**	**19,374**	**2,255**	**58,391**	**121,239**
Pentanes Plus	8,973	0	644	1,449	0	0	6,013	114	4,939	7,706
Liquefied Petroleum Gases	40,908	14,140	7,735	6,171	0	0	13,361	2,141	53,452	113,533
Ethane	16,240	361	254	-865	0	0	84	228	15,678	18,816
Propane	15,446	10,880	3,360	2,545	0	0	281	1,383	30,566	59,226
Normal Butane	4,983	2,630	2,679	3,871	0	0	8,209	416	5,538	25,827
Isobutane	4,239	269	1,442	620	0	0	4,787	114	1,670	9,664
Other Liquids	**1,832**	**0**	**15,094**	**-3,638**	**0**	**0**	**18,524**	**0**	**-5,236**	**150,591**
Other Hydrocarbons and Alcohol	1,832	0	0	-78	0	0	1,754	0	0	415
Unfinished Oils	0	0	13,187	-3,595	0	0	14,436	0	-4,844	112,609
Motor Gasoline Blending Components	0	0	1,907	5	0	0	2,292	0	-380	37,324
Aviation Gasoline Blending Components	0	0	0	30	0	0	42	0	-12	243
Finished Petroleum Products	**112**	**437,704**	**55,859**	**-4,734**	**0**	**0**	**0**	**14,825**	**474,116**	**463,758**
Finished Motor Gasoline	10	211,802	13,540	-3,550	0	0	0	447	221,355	183,911
Finished Leaded Motor Gasoline	9	35,893	400	510	0	0	0	176	36,636	38,175
Finished Unleaded Motor Gasoline	1	175,909	13,140	-4,060	0	0	0	270	184,720	145,736
Finished Aviation Gasoline	0	595	6	25	0	0	0	0	626	1,922
Naphtha-Type Jet Fuel	0	6,575	80	-120	0	0	0	3	6,532	6,436
Kerosene-Type Jet Fuel	0	33,541	2,283	1,087	0	0	0	271	36,640	39,668
Kerosene	0	2,972	701	-108	0	0	0	59	3,506	8,138
Distillate Fuel Oil	36	87,225	9,817	-557	0	0	0	1,033	95,488	128,805
Residual Fuel Oil	0	27,494	23,543	-1,533	0	0	0	4,379	45,125	44,003
Naphtha < 400 Deg. for Petro. Feed. Use	0	2,819	3,033	111	0	0	0	280	5,683	2,044
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,986	1,491	-583	0	0	0	649	7,245	1,949
Special Naphthas	0	2,351	187	7	0	0	0	338	2,207	3,245
Lubricants	0	4,962	254	271	0	0	0	682	4,805	12,512
Waxes	0	503	61	-43	0	0	0	43	478	862
Petroleum Coke	0	16,733	47	-228	0	0	0	6,631	9,921	8,287
Asphalt and Road Oil	0	11,037	779	283	0	0	0	5	12,094	18,747
Still Gas	0	19,850	0	0	0	0	0	0	19,850	0
Miscellaneous Products	66	2,259	37	204	0	0	0	6	2,560	3,229
Total	**292,525**	**451,844**	**231,425**	**-850**	**7,749**	**2**	**432,592**	**21,508**	**528,590**	**1,631,275**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**246,189**	**0**	**162,132**	**5,813**	**6,065**	**4**	**414,811**	**4,006**	**1,378**	**889,874**
Natural Gas Liquids and LRGs	**50,539**	**14,660**	**6,978**	**17,251**	**0**	**0**	**20,111**	**2,689**	**66,628**	**103,988**
Pentanes Plus	9,063	0	89	1,057	0	0	5,823	64	4,322	6,649
Liquefied Petroleum Gases	41,476	14,660	6,889	16,194	0	0	14,288	2,625	62,306	97,339
Ethane	16,328	311	623	944	0	0	106	130	17,970	17,872
Propane	15,815	11,373	3,298	8,799	0	0	327	1,998	36,961	50,427
Normal Butane	5,308	2,812	1,925	4,818	0	0	9,127	433	5,302	21,009
Isobutane	4,025	164	1,043	1,633	0	0	4,728	64	2,073	8,031
Other Liquids	**2,026**	**0**	**10,144**	**11,484**	**0**	**0**	**29,926**	**0**	**-6,272**	**139,107**
Other Hydrocarbons and Alcohol	2,026	0	0	-33	0	0	1,993	0	0	448
Unfinished Oils	0	0	8,187	12,751	0	0	26,726	0	-5,788	99,858
Motor Gasoline Blending Components	0	0	1,957	-1,227	0	0	1,214	0	-484	38,551
Aviation Gasoline Blending Components	0	0	0	-7	0	0	-7	0	0	250
Finished Petroleum Products	**123**	**472,244**	**60,287**	**-505**	**0**	**0**	**0**	**24,561**	**507,588**	**464,263**
Finished Motor Gasoline	9	226,399	8,591	-5,941	0	0	0	1,394	227,664	189,852
Finished Leaded Motor Gasoline	8	36,784	181	-1,984	0	0	0	133	34,856	40,159
Finished Unleaded Motor Gasoline	1	189,615	8,410	-3,957	0	0	0	1,261	192,808	149,693
Finished Aviation Gasoline	0	788	45	-196	0	0	0	0	637	2,118
Naphtha-Type Jet Fuel	0	6,730	84	385	0	0	0	78	7,121	6,051
Kerosene-Type Jet Fuel	0	39,023	2,223	1,945	0	0	0	2,470	40,722	37,723
Kerosene	0	3,085	897	854	0	0	0	59	4,777	7,284
Distillate Fuel Oil	37	95,063	12,681	5,288	0	0	0	2,694	110,375	123,517
Residual Fuel Oil	0	33,132	30,234	-618	0	0	0	8,386	54,362	44,621
Naphtha < 400 Deg. for Petro. Feed. Use	0	3,501	2,842	83	0	0	0	589	5,837	1,961
Other Oils > 400 Deg. for Petro. Feed. Use	0	6,968	1,481	206	0	0	0	367	8,288	1,743
Special Naphthas	0	2,335	161	-242	0	0	0	413	1,841	3,487
Lubricants	0	5,000	325	-804	0	0	0	947	3,574	13,316
Waxes	0	475	60	38	0	0	0	70	503	824
Petroleum Coke	0	17,308	28	497	0	0	0	7,007	10,826	7,790
Asphalt and Road Oil	0	8,543	575	-2,070	0	0	0	78	6,970	20,817
Still Gas	0	21,270	0	0	0	0	0	0	21,270	0
Miscellaneous Products	77	2,624	60	70	0	0	0	11	2,820	3,159
Total	**298,877**	**486,904**	**239,541**	**34,043**	**6,065**	**4**	**464,848**	**31,256**	**569,322**	**1,597,232**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,250**	**0**	**4,662**	**43**	**216**	**(s)**	**12,920**	**206**	**45**
Natural Gas Liquids and LRGs	**1,575**	**459**	**237**	**587**	**0**	**0**	**566**	**47**	**2,244**
Pentanes Plus	299	0	11	20	0	0	183	2	146
Liquefied Petroleum Gases	1,275	459	226	566	0	0	383	44	2,099
Ethane	444	5	(s)	79	0	0	1	4	523
Propane	513	345	126	358	0	0	8	29	1,306
Normal Butane	172	100	65	95	0	0	246	10	176
Isobutane	146	8	35	35	0	0	128	2	94
Other Liquids	**47**	**0**	**422**	**-159**	**0**	**0**	**629**	**0**	**-319**
Other Hydrocarbons and Alcohol	47	0	0	-2	0	0	46	0	0
Unfinished Oils	0	0	389	-90	0	0	503	0	-204
Motor Gasoline Blending Components	0	0	34	-68	0	0	80	0	-114
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	(s)	0	0
Finished Petroleum Products	**4**	**14,333**	**1,860**	**-133**	**0**	**0**	**0**	**632**	**15,433**
Finished Motor Gasoline	(s)	6,730	357	-387	0	0	0	8	6,693
Finished Leaded Motor Gasoline	(s)	1,320	7	-26	0	0	0	4	1,298
Finished Unleaded Motor Gasoline	(s)	5,410	350	-361	0	0	0	4	5,395
Finished Aviation Gasoline	0	21	(s)	2	0	0	0	0	23
Naphtha-Type Jet Fuel	0	185	3	12	0	0	0	(s)	199
Kerosene-Type Jet Fuel	0	1,231	82	129	0	0	0	81	1,360
Kerosene	0	104	33	40	0	0	0	(s)	177
Distillate Fuel Oil	1	3,008	424	206	0	0	0	82	3,558
Residual Fuel Oil	0	1,002	805	44	0	0	0	190	1,661
Naphtha < 400 Deg. for Petro. Feed. Use	0	108	61	(s)	0	0	0	3	166
Other Oils > 400 Deg. for Petro. Feed. Use	0	231	49	11	0	0	0	29	262
Special Naphthas	0	50	7	2	0	0	0	2	56
Lubricants	0	164	13	-25	0	0	0	19	132
Waxes	0	16	2	-1	0	0	0	1	15
Petroleum Coke	0	554	2	-18	0	0	0	215	324
Asphalt and Road Oil	0	231	20	-154	0	0	0	(s)	97
Still Gas	0	631	0	0	0	0	0	0	631
Miscellaneous Products	2	69	2	6	0	0	0	(s)	79
Total	**9,876**	**14,792**	**7,181**	**337**	**216**	**(s)**	**14,114**	**885**	**17,403**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,374**	**0**	**4,650**	**-133**	**-50**	**(s)**	**12,644**	**146**	**52**
Natural Gas Liquids and LRGs	**1,601**	**466**	**270**	**321**	**0**	**0**	**557**	**49**	**2,052**
Pentanes Plus	297	0	26	-7	0	0	191	2	123
Liquefied Petroleum Gases	1,304	466	245	328	0	0	366	47	1,929
Ethane	462	9	(s)	47	0	0	2	4	512
Propane	521	341	138	194	0	0	8	30	1,155
Normal Butane	179	109	69	62	0	0	215	10	194
Isobutane	142	8	37	24	0	0	141	2	68
Other Liquids	**39**	**0**	**348**	**-45**	**0**	**0**	**562**	**0**	**-221**
Other Hydrocarbons and Alcohol	39	0	0	4	0	0	43	0	0
Unfinished Oils	0	0	293	-87	0	0	378	0	-172
Motor Gasoline Blending Components	0	0	55	38	0	0	141	0	-49
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**13,962**	**1,987**	**592**	**0**	**0**	**0**	**670**	**15,876**
Finished Motor Gasoline	(s)	6,736	397	-75	0	0	0	18	7,039
Finished Leaded Motor Gasoline	(s)	1,341	14	83	0	0	0	6	1,432
Finished Unleaded Motor Gasoline	(s)	5,395	383	-158	0	0	0	12	5,607
Finished Aviation Gasoline	0	17	(s)	5	0	0	0	0	22
Naphtha-Type Jet Fuel	0	178	3	51	0	0	0	(s)	232
Kerosene-Type Jet Fuel	0	1,205	68	43	0	0	0	34	1,281
Kerosene	0	118	20	8	0	0	0	4	141
Distillate Fuel Oil	1	2,666	383	614	0	0	0	107	3,557
Residual Fuel Oil	0	994	901	33	0	0	0	229	1,698
Naphtha < 400 Deg. for Petro. Feed. Use	0	113	89	-1	0	0	0	4	197
Other Oils > 400 Deg. for Petro. Feed. Use	0	187	89	-16	0	0	0	5	256
Special Naphthas	0	49	2	6	0	0	0	4	53
Lubricants	0	174	14	5	0	0	0	23	170
Waxes	0	18	2	-1	0	0	0	1	17
Petroleum Coke	0	547	4	4	0	0	0	241	314
Asphalt and Road Oil	0	273	16	-81	0	0	0	(s)	208
Still Gas	0	624	0	0	0	0	0	0	624
Miscellaneous Products	2	65	1	-2	0	0	0	(s)	65
Total	**10,018**	**14,428**	**7,256**	**734**	**-50**	**(s)**	**13,763**	**864**	**17,760**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,374**	**0**	**4,868**	**-219**	**258**	**(s)**	**13,016**	**213**	**52**
Natural Gas Liquids and LRGs	**1,633**	**491**	**176**	**27**	**0**	**0**	**493**	**38**	**1,796**
Pentanes Plus	305	0	12	-24	0	0	202	2	89
Liquefied Petroleum Gases	1,328	491	165	50	0	0	292	36	1,707
Ethane	486	10	4	31	0	0	2	4	524
Propane	525	332	89	35	0	0	7	19	954
Normal Butane	171	131	47	-17	0	0	147	10	174
Isobutane	146	20	25	1	0	0	135	2	54
Other Liquids	**61**	**0**	**351**	**-94**	**0**	**0**	**486**	**0**	**-168**
Other Hydrocarbons and Alcohol	61	0	0	-2	0	0	59	0	0
Unfinished Oils	0	0	308	-128	0	0	312	0	-132
Motor Gasoline Blending Components	0	0	43	33	0	0	113	0	-36
Aviation Gasoline Blending Components	0	0	0	2	0	0	2	0	0
Finished Petroleum Products	**4**	**14,147**	**1,549**	**816**	**0**	**0**	**0**	**584**	**15,932**
Finished Motor Gasoline	(s)	6,715	349	277	0	0	0	18	7,323
Finished Leaded Motor Gasoline	(s)	1,337	10	89	0	0	0	7	1,429
Finished Unleaded Motor Gasoline	(s)	5,378	339	188	0	0	0	11	5,894
Finished Aviation Gasoline	0	22	(s)	4	0	0	0	0	26
Naphtha-Type Jet Fuel	0	211	2	-18	0	0	0	(s)	195
Kerosene-Type Jet Fuel	0	1,242	95	-90	0	0	0	52	1,195
Kerosene	0	68	14	19	0	0	0	1	101
Distillate Fuel Oil	1	2,705	247	660	0	0	0	74	3,539
Residual Fuel Oil	0	948	650	43	0	0	0	165	1,476
Naphtha < 400 Deg. for Petro. Feed. Use	0	126	62	3	0	0	0	5	186
Other Oils > 400 Deg. for Petro. Feed. Use	0	241	69	9	0	0	0	19	300
Special Naphthas	0	51	9	6	0	0	0	4	63
Lubricants	0	188	13	-4	0	0	0	26	170
Waxes	0	18	2	2	0	0	0	1	20
Petroleum Coke	0	551	2	-1	0	0	0	217	335
Asphalt and Road Oil	0	342	33	-112	0	0	0	(s)	262
Still Gas	0	648	0	0	0	0	0	0	648
Miscellaneous Products	2	72	2	17	0	0	0	(s)	92
Total	**10,071**	**14,638**	**6,944**	**530**	**258**	**(s)**	**13,995**	**834**	**17,612**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,288**	**0**	**5,167**	**-190**	**27**	**(s)**	**13,135**	**114**	**42**
Natural Gas Liquids and LRGs	**1,614**	**491**	**216**	**-392**	**0**	**0**	**450**	**45**	**1,433**
Pentanes Plus	299	0	12	-31	0	0	173	2	104
Liquefied Petroleum Gases	1,315	491	205	-361	0	0	277	43	1,329
Ethane	502	9	2	4	0	0	2	4	511
Propane	518	346	88	-278	0	0	8	27	639
Normal Butane	151	120	75	-76	0	0	122	11	138
Isobutane	144	16	41	-13	0	0	145	2	41
Other Liquids	**41**	**0**	**481**	**2**	**0**	**0**	**678**	**0**	**-154**
Other Hydrocarbons and Alcohol	41	0	0	-1	0	0	40	0	0
Unfinished Oils	0	0	432	-21	0	0	502	0	-91
Motor Gasoline Blending Components	0	0	49	26	0	0	135	0	-61
Aviation Gasoline Blending Components	0	0	0	-2	0	0	1	0	-2
Finished Petroleum Products	**4**	**14,400**	**1,406**	**-54**	**0**	**0**	**0**	**516**	**15,240**
Finished Motor Gasoline	(s)	6,907	399	142	0	0	0	18	7,430
Finished Leaded Motor Gasoline	(s)	1,384	9	56	0	0	0	10	1,439
Finished Unleaded Motor Gasoline	(s)	5,522	390	86	0	0	0	8	5,991
Finished Aviation Gasoline	0	23	(s)	2	0	0	0	0	25
Naphtha-Type Jet Fuel	0	203	3	12	0	0	0	(s)	218
Kerosene-Type Jet Fuel	0	1,088	81	17	0	0	0	13	1,173
Kerosene	0	50	8	11	0	0	0	(s)	68
Distillate Fuel Oil	2	2,865	210	-171	0	0	0	42	2,864
Residual Fuel Oil	0	960	495	33	0	0	0	170	1,318
Naphtha < 400 Deg. for Petro. Feed. Use	0	143	84	3	0	0	0	4	226
Other Oils > 400 Deg. for Petro. Feed. Use	0	253	68	-18	0	0	0	19	284
Special Naphthas	0	58	5	-3	0	0	0	3	58
Lubricants	0	178	12	-2	0	0	0	34	154
Waxes	0	19	2	-2	0	0	0	1	17
Petroleum Coke	0	527	1	-8	0	0	0	210	311
Asphalt and Road Oil	0	393	35	-67	0	0	0	(s)	361
Still Gas	0	665	0	0	0	0	0	0	665
Miscellaneous Products	2	69	2	-4	0	0	0	(s)	69
Total	**9,946**	**14,891**	**7,270**	**-634**	**27**	**(s)**	**14,263**	**676**	**16,561**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,229**	**0**	**5,339**	**-96**	**125**	**(s)**	**13,425**	**138**	**34**
Natural Gas Liquids and LRGs	**1,623**	**496**	**174**	**-349**	**0**	**0**	**464**	**39**	**1,441**
Pentanes Plus	302	0	9	-6	0	0	187	2	116
Liquefied Petroleum Gases	1,321	496	165	-343	0	0	277	37	1,324
Ethane	504	7	1	-30	0	0	3	4	475
Propane	503	357	79	-248	0	0	8	20	662
Normal Butane	169	113	56	-73	0	0	111	10	143
Isobutane	145	18	30	8	0	0	156	2	44
Other Liquids	**44**	**0**	**494**	**-313**	**0**	**0**	**315**	**0**	**-90**
Other Hydrocarbons and Alcohol	44	0	0	4	0	0	47	0	0
Unfinished Oils	0	0	408	-296	0	0	220	0	-108
Motor Gasoline Blending Components	0	0	87	-23	0	0	45	0	18
Aviation Gasoline Blending Components	0	0	0	2	0	0	2	0	0
Finished Petroleum Products	**4**	**14,370**	**1,462**	**-387**	**0**	**0**	**0**	**636**	**14,813**
Finished Motor Gasoline	(s)	6,850	437	43	0	0	0	28	7,303
Finished Leaded Motor Gasoline	(s)	1,359	18	72	0	0	0	6	1,442
Finished Unleaded Motor Gasoline	(s)	5,492	420	-29	0	0	0	21	5,861
Finished Aviation Gasoline	0	31	3	(s)	0	0	0	0	33
Naphtha-Type Jet Fuel	0	229	4	-19	0	0	0	3	211
Kerosene-Type Jet Fuel	0	1,059	108	-6	0	0	0	4	1,157
Kerosene	0	48	2	18	0	0	0	(s)	68
Distillate Fuel Oil	1	2,935	253	-320	0	0	0	74	2,795
Residual Fuel Oil	0	862	432	-94	0	0	0	263	938
Naphtha < 400 Deg. for Petro. Feed. Use	0	112	93	3	0	0	0	5	204
Other Oils > 400 Deg. for Petro. Feed. Use	0	194	65	-10	0	0	0	13	236
Special Naphthas	0	56	8	-6	0	0	0	11	48
Lubricants	0	180	13	7	0	0	0	25	175
Waxes	0	16	2	1	0	0	0	2	17
Petroleum Coke	0	543	2	-1	0	0	0	210	334
Asphalt and Road Oil	0	495	37	18	0	0	0	(s)	550
Still Gas	0	684	0	0	0	0	0	0	684
Miscellaneous Products	2	77	2	-21	0	0	0	(s)	60
Total	**9,899**	**14,866**	**7,469**	**-1,145**	**125**	**(s)**	**14,204**	**814**	**16,197**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,170**	**0**	**5,322**	**-43**	**208**	**(s)**	**13,487**	**138**	**32**
Natural Gas Liquids and LRGs	**1,612**	**507**	**152**	**-354**	**0**	**0**	**441**	**40**	**1,436**
Pentanes Plus	304	0	8	-23	0	0	185	2	103
Liquefied Petroleum Gases	1,307	507	144	-331	0	0	256	38	1,333
Ethane	503	11	(s)	-7	0	0	2	4	501
Propane	491	342	77	-207	0	0	9	20	674
Normal Butane	168	139	43	-102	0	0	97	12	139
Isobutane	146	15	23	-15	0	0	148	2	19
Other Liquids	**48**	**0**	**480**	**-36**	**0**	**0**	**592**	**0**	**-101**
Other Hydrocarbons and Alcohol	48	0	0	1	0	0	48	0	0
Unfinished Oils	0	0	411	-105	0	0	426	0	-120
Motor Gasoline Blending Components	0	0	69	69	0	0	118	0	20
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	(s)	0	0
Finished Petroleum Products	**4**	**14,664**	**1,285**	**499**	**0**	**0**	**0**	**761**	**15,692**
Finished Motor Gasoline	(s)	6,982	428	465	0	0	0	59	7,817
Finished Leaded Motor Gasoline	(s)	1,400	18	72	0	0	0	9	1,481
Finished Unleaded Motor Gasoline	(s)	5,583	410	393	0	0	0	50	6,336
Finished Aviation Gasoline	0	26	1	6	0	0	0	0	32
Naphtha-Type Jet Fuel	0	208	3	4	0	0	0	(s)	215
Kerosene-Type Jet Fuel	0	1,133	75	13	0	0	0	15	1,206
Kerosene	0	55	9	-17	0	0	0	(s)	47
Distillate Fuel Oil	2	2,891	222	-185	0	0	0	76	2,854
Residual Fuel Oil	0	880	336	117	0	0	0	249	1,083
Naphtha < 400 Deg. for Petro. Feed. Use	0	115	92	(s)	0	0	0	5	202
Other Oils > 400 Deg. for Petro. Feed. Use	0	220	61	6	0	0	0	22	265
Special Naphthas	0	60	8	-5	0	0	0	6	57
Lubricants	0	182	7	-2	0	0	0	34	153
Waxes	0	17	1	(s)	0	0	0	1	18
Petroleum Coke	0	547	(s)	-23	0	0	0	291	233
Asphalt and Road Oil	0	582	41	104	0	0	0	2	725
Still Gas	0	689	0	0	0	0	0	0	689
Miscellaneous Products	2	76	1	15	0	0	0	(s)	95
Total	**9,833**	**15,171**	**7,239**	**66**	**208**	**(s)**	**14,519**	**938**	**17,059**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,040**	**0**	**5,100**	**261**	**432**	**1**	**13,617**	**186**	**29**
Natural Gas Liquids and LRGs	**1,615**	**539**	**234**	**-394**	**0**	**0**	**434**	**37**	**1,523**
Pentanes Plus	311	0	1	-14	0	0	186	2	111
Liquefied Petroleum Gases	1,303	539	233	-380	0	0	248	35	1,412
Ethane	498	14	(s)	-1	0	0	2	4	505
Propane	494	365	126	-211	0	0	8	20	745
Normal Butane	164	141	69	-153	0	0	82	9	131
Isobutane	147	19	38	-15	0	0	155	2	31
Other Liquids	**55**	**0**	**475**	**24**	**0**	**0**	**645**	**0**	**-91**
Other Hydrocarbons and Alcohol	55	0	0	2	0	0	57	0	0
Unfinished Oils	0	0	402	46	0	0	524	0	-76
Motor Gasoline Blending Components	0	0	74	-20	0	0	65	0	-11
Aviation Gasoline Blending Components	0	0	0	-5	0	0	-1	0	-4
Finished Petroleum Products	**3**	**14,795**	**1,487**	**-448**	**0**	**0**	**0**	**603**	**15,234**
Finished Motor Gasoline	(s)	7,159	482	-148	0	0	0	12	7,482
Finished Leaded Motor Gasoline	(s)	1,394	10	-61	0	0	0	6	1,338
Finished Unleaded Motor Gasoline	(s)	5,765	472	-87	0	0	0	5	6,144
Finished Aviation Gasoline	0	32	(s)	1	0	0	0	0	33
Naphtha-Type Jet Fuel	0	209	3	(s)	0	0	0	0	212
Kerosene-Type Jet Fuel	0	1,154	85	-43	0	0	0	3	1,193
Kerosene	0	64	(s)	-8	0	0	0	(s)	56
Distillate Fuel Oil	1	2,783	222	-308	0	0	0	58	2,640
Residual Fuel Oil	0	906	479	37	0	0	0	206	1,217
Naphtha < 400 Deg. for Petro. Feed. Use	0	101	71	-4	0	0	0	7	162
Other Oils > 400 Deg. for Petro. Feed. Use	0	242	81	-3	0	0	0	10	309
Special Naphthas	0	50	7	2	0	0	0	9	50
Lubricants	0	168	10	-5	0	0	0	26	148
Waxes	0	19	2	-4	0	0	0	3	14
Petroleum Coke	0	538	4	-9	0	0	0	267	265
Asphalt and Road Oil	0	601	38	45	0	0	0	1	683
Still Gas	0	703	0	0	0	0	0	0	703
Miscellaneous Products	2	66	3	-2	0	0	0	(s)	68
Total	**9,713**	**15,334**	**7,297**	**-558**	**432**	**1**	**14,696**	**826**	**16,695**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,079**	**0**	**5,089**	**488**	**278**	**(s)**	**13,752**	**152**	**30**
Natural Gas Liquids and LRGs	**1,612**	**549**	**261**	**-292**	**0**	**0**	**473**	**52**	**1,605**
Pentanes Plus	314	0	19	-6	0	0	210	2	115
Liquefied Petroleum Gases	1,298	549	241	-287	0	0	262	50	1,490
Ethane	494	14	3	17	0	0	2	4	521
Propane	491	379	120	-157	0	0	8	27	797
Normal Butane	167	143	77	-133	0	0	94	16	144
Isobutane	147	13	42	-14	0	0	158	2	28
Other Liquids	**66**	**0**	**380**	**66**	**0**	**0**	**586**	**0**	**-74**
Other Hydrocarbons and Alcohol	66	0	0	-2	0	0	64	0	0
Unfinished Oils	0	0	327	85	0	0	455	0	-43
Motor Gasoline Blending Components	0	0	53	-25	0	0	60	0	-31
Aviation Gasoline Blending Components	0	0	0	7	0	0	7	0	0
Finished Petroleum Products	**4**	**14,953**	**1,656**	**-80**	**0**	**0**	**0**	**609**	**15,922**
Finished Motor Gasoline	(s)	7,209	494	-131	0	0	0	15	7,556
Finished Leaded Motor Gasoline	(s)	1,320	7	2	0	0	0	5	1,324
Finished Unleaded Motor Gasoline	(s)	5,889	487	-133	0	0	0	11	6,232
Finished Aviation Gasoline	0	32	(s)	-4	0	0	0	0	28
Naphtha-Type Jet Fuel	0	206	3	-5	0	0	0	1	204
Kerosene-Type Jet Fuel	0	1,138	100	13	0	0	0	14	1,237
Kerosene	0	81	8	-31	0	0	0	(s)	57
Distillate Fuel Oil	1	2,847	279	-185	0	0	0	70	2,873
Residual Fuel Oil	0	866	581	97	0	0	0	225	1,320
Naphtha < 400 Deg. for Petro. Feed. Use	0	104	69	6	0	0	0	6	173
Other Oils > 400 Deg. for Petro. Feed. Use	0	248	59	-8	0	0	0	20	279
Special Naphthas	0	65	10	(s)	0	0	0	9	66
Lubricants	0	170	7	14	0	0	0	26	165
Waxes	0	15	1	1	0	0	0	2	16
Petroleum Coke	0	540	2	29	0	0	0	219	352
Asphalt and Road Oil	0	646	41	121	0	0	0	2	806
Still Gas	0	709	0	0	0	0	0	0	709
Miscellaneous Products	2	75	2	3	0	0	0	(s)	82
Total	**9,762**	**15,502**	**7,386**	**181**	**278**	**(s)**	**14,811**	**814**	**17,482**

1 Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**7,895**	**0**	**5,212**	**83**	**228**	**(s)**	**13,261**	**119**	**37**
Natural Gas Liquids and LRGs	**1,617**	**529**	**200**	**-25**	**0**	**0**	**453**	**45**	**1,824**
Pentanes Plus	306	0	5	-5	0	0	178	2	126
Liquefied Petroleum Gases	1,311	529	194	-20	0	0	274	43	1,698
Ethane	514	16	1	-10	0	0	2	4	515
Propane	489	372	107	17	0	0	9	25	951
Normal Butane	162	125	56	-12	0	0	126	12	192
Isobutane	147	16	30	-16	0	0	137	2	39
Other Liquids	**59**	**0**	**362**	**-1**	**0**	**0**	**671**	**0**	**-250**
Other Hydrocarbons and Alcohol	59	0	0	(s)	0	0	59	0	0
Unfinished Oils	0	0	312	71	0	0	573	0	-190
Motor Gasoline Blending Components	0	0	50	-69	0	0	41	0	-61
Aviation Gasoline Blending Components	0	0	0	-3	0	0	-3	0	0
Finished Petroleum Products	**4**	**14,454**	**1,732**	**-220**	**0**	**0**	**0**	**509**	**15,461**
Finished Motor Gasoline	(s)	6,948	443	28	0	0	0	16	7,404
Finished Leaded Motor Gasoline	(s)	1,207	4	87	0	0	0	10	1,289
Finished Unleaded Motor Gasoline	(s)	5,741	439	-59	0	0	0	6	6,115
Finished Aviation Gasoline	0	28	1	(s)	0	0	0	0	28
Naphtha-Type Jet Fuel	0	198	3	13	0	0	0	7	207
Kerosene-Type Jet Fuel	0	1,177	59	-10	0	0	0	9	1,216
Kerosene	0	80	13	-10	0	0	0	1	81
Distillate Fuel Oil	1	2,777	307	-192	0	0	0	72	2,821
Residual Fuel Oil	0	852	698	-220	0	0	0	100	1,230
Naphtha < 400 Deg. for Petro. Feed. Use	0	92	81	-5	0	0	0	6	161
Other Oils > 400 Deg. for Petro. Feed. Use	0	204	77	28	0	0	0	16	293
Special Naphthas	0	55	3	10	0	0	0	10	58
Lubricants	0	144	11	38	0	0	0	30	162
Waxes	0	16	1	1	0	0	0	2	16
Petroleum Coke	0	534	(s)	10	0	0	0	238	307
Asphalt and Road Oil	0	595	34	81	0	0	0	1	709
Still Gas	0	681	0	0	0	0	0	0	681
Miscellaneous Products	2	74	2	8	0	0	0	(s)	86
Total	**9,575**	**14,983**	**7,506**	**-162**	**228**	**(s)**	**14,385**	**673**	**17,072**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,023**	**0**	**5,551**	**-399**	**160**	**(s)**	**13,126**	**166**	**42**
Natural Gas Liquids and LRGs	**1,657**	**515**	**227**	**70**	**0**	**0**	**504**	**58**	**1,907**
Pentanes Plus	300	0	11	23	0	0	186	2	146
Liquefied Petroleum Gases	1,357	515	216	47	0	0	318	56	1,761
Ethane	536	9	1	11	0	0	2	3	551
Propane	511	374	104	42	0	0	8	42	981
Normal Butane	169	122	72	-17	0	0	166	10	171
Isobutane	142	10	39	11	0	0	141	2	59
Other Liquids	**53**	**0**	**379**	**46**	**0**	**0**	**576**	**0**	**-97**
Other Hydrocarbons and Alcohol	53	0	0	-1	0	0	52	0	0
Unfinished Oils	0	0	331	7	0	0	420	0	-82
Motor Gasoline Blending Components	0	0	48	43	0	0	107	0	-15
Aviation Gasoline Blending Components	0	0	0	-3	0	0	-3	0	(s)
Finished Petroleum Products	**4**	**14,342**	**1,673**	**217**	**0**	**0**	**0**	**508**	**15,728**
Finished Motor Gasoline	(s)	6,857	352	75	0	0	0	13	7,271
Finished Leaded Motor Gasoline	(s)	1,181	2	104	0	0	0	4	1,283
Finished Unleaded Motor Gasoline	(s)	5,676	350	-29	0	0	0	9	5,988
Finished Aviation Gasoline	0	27	(s)	-1	0	0	0	0	25
Naphtha-Type Jet Fuel	0	208	3	6	0	0	0	2	214
Kerosene-Type Jet Fuel	0	1,158	143	-22	0	0	0	2	1,277
Kerosene	0	80	28	-18	0	0	0	2	87
Distillate Fuel Oil	1	2,826	336	103	0	0	0	48	3,218
Residual Fuel Oil	0	852	603	68	0	0	0	181	1,343
Naphtha < 400 Deg. for Petro. Feed. Use	0	98	75	2	0	0	0	5	169
Other Oils > 400 Deg. for Petro. Feed. Use	0	217	73	9	0	0	0	11	288
Special Naphthas	0	66	7	(s)	0	0	0	3	70
Lubricants	0	168	11	-8	0	0	0	18	153
Waxes	0	17	2	(s)	0	0	0	1	18
Petroleum Coke	0	529	1	-26	0	0	0	221	283
Asphalt and Road Oil	0	508	37	35	0	0	0	(s)	580
Still Gas	0	660	0	0	0	0	0	0	660
Miscellaneous Products	2	72	2	-7	0	0	0	(s)	70
Total	**9,737**	**14,857**	**7,830**	**-66**	**160**	**(s)**	**14,206**	**732**	**17,580**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**8,023**	**0**	**5,070**	**-3**	**258**	**(s)**	**13,156**	**148**	**44**
Natural Gas Liquids and LRGs	**1,663**	**471**	**279**	**254**	**0**	**0**	**646**	**75**	**1,946**
Pentanes Plus	299	0	21	48	0	0	200	4	165
Liquefied Petroleum Gases	1,364	471	258	206	0	0	445	71	1,782
Ethane	541	12	8	-29	0	0	3	8	523
Propane	515	363	112	85	0	0	9	46	1,019
Normal Butane	166	88	89	129	0	0	274	14	185
Isobutane	141	9	48	21	0	0	160	4	56
Other Liquids	**61**	**0**	**503**	**-121**	**0**	**0**	**617**	**0**	**-175**
Other Hydrocarbons and Alcohol	61	0	0	-3	0	0	58	0	0
Unfinished Oils	0	0	440	-120	0	0	481	0	-161
Motor Gasoline Blending Components	0	0	64	(s)	0	0	76	0	-13
Aviation Gasoline Blending Components	0	0	0	1	0	0	1	0	(s)
Finished Petroleum Products	**4**	**14,590**	**1,862**	**-158**	**0**	**0**	**0**	**494**	**15,804**
Finished Motor Gasoline	(s)	7,060	451	-118	0	0	0	15	7,379
Finished Leaded Motor Gasoline	(s)	1,196	13	17	0	0	0	6	1,221
Finished Unleaded Motor Gasoline	(s)	5,864	438	-135	0	0	0	9	6,157
Finished Aviation Gasoline	0	20	(s)	1	0	0	0	0	21
Naphtha-Type Jet Fuel	0	219	3	-4	0	0	0	(s)	218
Kerosene-Type Jet Fuel	0	1,118	76	36	0	0	0	9	1,221
Kerosene	0	99	23	-4	0	0	0	2	117
Distillate Fuel Oil	1	2,908	327	-19	0	0	0	34	3,183
Residual Fuel Oil	0	916	785	-51	0	0	0	146	1,504
Naphtha < 400 Deg. for Petro. Feed. Use	0	94	101	4	0	0	0	9	189
Other Oils > 400 Deg. for Petro. Feed. Use	0	233	50	-19	0	0	0	22	242
Special Naphthas	0	78	6	(s)	0	0	0	11	74
Lubricants	0	165	8	9	0	0	0	23	160
Waxes	0	17	2	-1	0	0	0	1	16
Petroleum Coke	0	558	2	-8	0	0	0	221	331
Asphalt and Road Oil	0	368	26	9	0	0	0	(s)	403
Still Gas	0	662	0	0	0	0	0	0	662
Miscellaneous Products	2	75	1	7	0	0	0	(s)	85
Total	**9,751**	**15,061**	**7,714**	**-28**	**258**	**(s)**	**14,420**	**717**	**17,620**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 3. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Refinery Production	Imports	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Crude Losses	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	**7,942**	**0**	**5,230**	**188**	**196**	**(s)**	**13,381**	**129**	**44**
Natural Gas Liquids and LRGs	**1,630**	**473**	**225**	**556**	**0**	**0**	**649**	**87**	**2,149**
Pentanes Plus	292	0	3	34	0	0	188	2	139
Liquefied Petroleum Gases	1,338	473	222	522	0	0	461	85	2,010
Ethane	527	10	20	30	0	0	3	4	580
Propane	510	367	106	284	0	0	11	64	1,192
Normal Butane	171	91	62	155	0	0	294	14	171
Isobutane	130	5	34	53	0	0	153	2	67
Other Liquids	**65**	**0**	**327**	**370**	**0**	**0**	**965**	**0**	**-202**
Other Hydrocarbons and Alcohol	65	0	0	-1	0	0	64	0	0
Unfinished Oils	0	0	264	411	0	0	862	0	-187
Motor Gasoline Blending Components	0	0	63	-40	0	0	39	0	-16
Aviation Gasoline Blending Components	0	0	0	(s)	0	0	(s)	0	0
Finished Petroleum Products	**4**	**15,234**	**1,945**	**-16**	**0**	**0**	**0**	**792**	**16,374**
Finished Motor Gasoline	(s)	7,303	277	-192	0	0	0	45	7,344
Finished Leaded Motor Gasoline	(s)	1,187	6	-64	0	0	0	4	1,124
Finished Unleaded Motor Gasoline	(s)	6,117	271	-128	0	0	0	41	6,220
Finished Aviation Gasoline	0	25	1	-6	0	0	0	0	21
Naphtha-Type Jet Fuel	0	217	3	12	0	0	0	3	230
Kerosene-Type Jet Fuel	0	1,259	72	63	0	0	0	80	1,314
Kerosene	0	100	29	28	0	0	0	2	154
Distillate Fuel Oil	1	3,067	409	171	0	0	0	87	3,560
Residual Fuel Oil	0	1,069	975	-20	0	0	0	271	1,754
Naphtha < 400 Deg. for Petro. Feed. Use	0	113	92	3	0	0	0	19	188
Other Oils > 400 Deg. for Petro. Feed. Use	0	225	48	7	0	0	0	12	267
Special Naphthas	0	75	5	-8	0	0	0	13	59
Lubricants	0	161	10	-26	0	0	0	31	115
Waxes	0	15	2	1	0	0	0	2	16
Petroleum Coke	0	558	1	16	0	0	0	226	349
Asphalt and Road Oil	0	276	19	-67	0	0	0	3	225
Still Gas	0	686	0	0	0	0	0	0	686
Miscellaneous Products	2	85	2	2	0	0	0	(s)	91
Total	**9,641**	**15,707**	**7,727**	**1,098**	**196**	**(s)**	**14,995**	**1,008**	**18,365**

[1] Unaccounted for crude oil is a balancing item.
(s) = Less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I–Supply and Disposition of Crude Oil and Petroleum Products, January 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,177**	**0**	**34,315**	**935**	**2,449**	**1,846**	**0**	**40,722**	**0**	**0**	**14,600**
Natural Gas Liquids and LRGs	**623**	**1,687**	**2,045**	**2,164**	**0**	**4,586**	**0**	**268**	**15**	**10,822**	**3,506**
Liquefied Petroleum Gases	525	1,687	1,793	2,155	0	4,586	0	246	15	10,485	3,462
Pentanes Plus	98	0	252	9	0	0	0	22	0	337	44
Other Liquids	**50**	**0**	**4,839**	**-990**	**0**	**270**	**0**	**6,243**	**0**	**-2,074**	**18,238**
Other Hydrocarbons and Alcohol	50	0	0	-32	0	0	0	18	0	0	52
Unfinished Oils	0	0	3,815	-1,097	0	172	0	4,891	0	-2,001	12,820
Motor Gasoline Blending Components	0	0	1,024	139	0	98	0	1,334	0	-73	5,366
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**47,866**	**49,608**	**3,001**	**0**	**82,521**	**0**	**0**	**703**	**182,293**	**156,906**
Finished Motor Gasoline	0	22,465	10,834	-5,561	0	41,617	0	0	8	69,347	63,030
Finished Leaded Motor Gasoline	0	2,773	205	-350	0	6,498	0	0	2	9,124	13,132
Finished Unleaded Motor Gasoline	0	19,692	10,629	-5,211	0	35,119	0	0	7	60,222	49,898
Finished Aviation Gasoline	0	0	0	17	0	156	0	0	0	173	479
Naphtha-Type Jet Fuel	0	428	0	99	0	525	0	0	1	1,051	1,462
Kerosene-Type Jet Fuel	0	2,359	1,070	1,272	0	11,060	0	0	33	15,728	9,019
Kerosene	0	234	539	687	0	1,069	0	0	7	2,522	2,650
Distillate Fuel Oil	0	10,728	12,835	5,640	0	25,563	0	0	18	54,748	48,114
Residual Fuel Oil	0	5,918	23,026	3,496	0	891	0	0	1	33,330	19,623
Petrochemical Feedstocks[2]	0	183	235	-57	0	61	0	0	42	380	421
Special Naphthas	0	-39	19	27	0	253	0	0	9	251	1,259
Lubricants	0	682	369	-390	0	816	0	0	178	1,299	3,354
Waxes	0	101	27	-15	0	7	0	0	4	116	79
Petroleum Coke	0	1,401	20	-96	0	0	0	0	394	931	616
Asphalt and Road Oil	0	944	578	-1,873	0	474	0	0	(s)	123	5,812
Still Gas	0	2,047	0	0	0	0	0	0	0	2,047	0
Miscellaneous Products	0	415	56	-245	0	29	0	0	7	248	988
Total	**1,850**	**49,553**	**90,807**	**5,110**	**2,449**	**89,223**	**0**	**47,233**	**718**	**191,040**	**193,250**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,159**	**0**	**35,514**	**657**	**-1,397**	**1,890**	**2**	**37,821**	**0**	**0**	**13,943**
Natural Gas Liquids and LRGs	**796**	**1,524**	**2,283**	**66**	**0**	**4,102**	**0**	**148**	**39**	**8,584**	**3,440**
Liquefied Petroleum Gases	689	1,524	1,865	69	0	4,102	0	114	39	8,096	3,393
Pentanes Plus	107	0	418	-3	0	0	0	34	0	488	47
Other Liquids	**12**	**0**	**4,223**	**499**	**0**	**336**	**0**	**6,210**	**0**	**-1,140**	**17,739**
Other Hydrocarbons and Alcohol	12	0	0	18	0	0	0	30	0	0	34
Unfinished Oils	0	0	2,962	364	0	195	0	5,004	0	-1,483	12,456
Motor Gasoline Blending Components	0	0	1,261	117	0	141	0	1,176	0	343	5,249
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**44,498**	**47,870**	**924**	**0**	**81,104**	**0**	**0**	**423**	**173,972**	**155,982**
Finished Motor Gasoline	0	21,057	10,551	-3,008	0	40,540	0	0	21	69,119	66,038
Finished Leaded Motor Gasoline	0	2,061	347	558	0	5,733	0	0	2	8,697	12,574
Finished Unleaded Motor Gasoline	0	18,996	10,204	-3,566	0	34,807	0	0	19	60,422	53,464
Finished Aviation Gasoline	0	10	0	81	0	67	0	0	0	158	398
Naphtha-Type Jet Fuel	0	544	0	162	0	328	0	0	(s)	1,034	1,300
Kerosene-Type Jet Fuel	0	2,309	1,290	118	0	10,739	0	0	35	14,421	8,901
Kerosene	0	310	340	31	0	1,200	0	0	10	1,871	2,619
Distillate Fuel Oil	0	9,576	10,794	3,691	0	25,799	0	0	12	49,848	44,423
Residual Fuel Oil	0	5,103	24,071	-97	0	840	0	0	2	29,915	19,720
Petrochemical Feedstocks[2]	0	214	14	-67	0	26	0	0	45	142	488
Special Naphthas	0	21	25	106	0	274	0	0	13	413	1,153
Lubricants	0	699	300	29	0	961	0	0	145	1,844	3,325
Waxes	0	82	33	4	0	9	0	0	5	123	75
Petroleum Coke	0	1,251	0	72	0	0	0	0	127	1,196	544
Asphalt and Road Oil	0	1,120	430	-27	0	237	0	0	1	1,759	5,839
Still Gas	0	1,839	0	0	0	0	0	0	0	1,839	0
Miscellaneous Products	0	363	22	-171	0	84	0	0	7	291	1,159
Total	**1,967**	**46,022**	**89,889**	**2,146**	**-1,397**	**87,432**	**2**	**44,179**	**462**	**181,416**	**191,104**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, March 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,256**	**0**	**37,626**	**-882**	**-800**	**1,745**	**0**	**38,945**	**0**	**0**	**14,825**
Natural Gas Liquids and LRGs	**872**	**1,806**	**1,349**	**510**	**0**	**2,896**	**0**	**145**	**33**	**7,254**	**2,930**
Liquefied Petroleum Gases	752	1,806	1,053	510	0	2,896	0	112	33	6,871	2,883
Pentanes Plus	120	0	296	0	0	0	0	33	0	383	47
Other Liquids	**70**	**0**	**4,397**	**1,101**	**0**	**479**	**0**	**6,242**	**0**	**-195**	**16,638**
Other Hydrocarbons and Alcohol	70	0	0	-48	0	0	0	22	0	0	82
Unfinished Oils	0	0	3,097	734	0	327	0	4,777	0	-619	11,722
Motor Gasoline Blending Components	0	0	1,300	415	0	152	0	1,443	0	424	4,834
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**45,691**	**39,887**	**15,335**	**0**	**72,324**	**0**	**0**	**886**	**172,350**	**140,647**
Finished Motor Gasoline	0	22,603	9,793	2,720	0	41,242	0	0	33	76,325	63,318
Finished Leaded Motor Gasoline	0	2,351	253	408	0	6,120	0	0	11	9,121	12,166
Finished Unleaded Motor Gasoline	0	20,252	9,540	2,312	0	35,122	0	0	21	67,205	51,152
Finished Aviation Gasoline	0	0	0	52	0	125	0	0	0	177	346
Naphtha-Type Jet Fuel	0	678	0	207	0	625	0	0	1	1,509	1,093
Kerosene-Type Jet Fuel	0	2,156	2,058	-533	0	10,586	0	0	129	14,138	9,434
Kerosene	0	307	443	22	0	643	0	0	13	1,402	2,597
Distillate Fuel Oil	0	9,393	7,198	11,381	0	17,594	0	0	21	45,545	33,042
Residual Fuel Oil	0	4,011	18,863	1,939	0	537	0	0	4	25,346	17,781
Petrochemical Feedstocks[2]	0	113	202	138	0	-142	0	0	63	248	350
Special Naphthas	0	105	13	31	0	178	0	0	14	313	1,122
Lubricants	0	827	344	-46	0	669	0	0	276	1,518	3,371
Waxes	0	87	23	13	0	3	0	0	6	120	62
Petroleum Coke	0	1,346	0	-113	0	0	0	0	318	915	657
Asphalt and Road Oil	0	1,827	895	-1,000	0	186	0	0	1	1,907	6,839
Still Gas	0	1,949	0	0	0	0	0	0	0	1,949	0
Miscellaneous Products	0	289	55	524	0	78	0	0	7	939	635
Total	**2,198**	**47,497**	**83,258**	**16,064**	**-800**	**77,444**	**0**	**45,332**	**919**	**179,410**	**175,040**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,159**	**0**	**30,940**	**-2,148**	**1,917**	**2,060**	**0**	**33,928**	**0**	**0**	**16,973**
Natural Gas Liquids and LRGs	**822**	**1,377**	**1,367**	**-257**	**0**	**1,715**	**0**	**137**	**51**	**4,836**	**3,187**
Liquefied Petroleum Gases	706	1,377	1,060	-262	0	1,715	0	93	51	4,452	3,145
Pentanes Plus	116	0	307	5	0	0	0	44	0	384	42
Other Liquids	**52**	**0**	**5,003**	**1,488**	**0**	**139**	**0**	**7,888**	**0**	**-1,206**	**15,150**
Other Hydrocarbons and Alcohol	52	0	0	5	0	0	0	57	0	0	77
Unfinished Oils	0	0	3,567	977	0	160	0	5,733	0	-1,029	10,745
Motor Gasoline Blending Components	0	0	1,436	506	0	-21	0	2,098	0	-177	4,328
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**42,355**	**31,998**	**8,349**	**0**	**65,216**	**0**	**0**	**601**	**147,317**	**132,298**
Finished Motor Gasoline	0	20,511	9,422	3,912	0	38,841	0	0	14	72,672	59,406
Finished Leaded Motor Gasoline	0	2,058	230	1,085	0	5,964	0	0	3	9,334	11,081
Finished Unleaded Motor Gasoline	0	18,453	9,192	2,827	0	32,877	0	0	12	63,337	48,325
Finished Aviation Gasoline	0	12	0	-24	0	152	0	0	0	140	370
Naphtha-Type Jet Fuel	0	459	0	-18	0	239	0	0	2	678	1,111
Kerosene-Type Jet Fuel	0	2,046	1,870	48	0	10,051	0	0	21	13,994	9,386
Kerosene	0	-11	229	126	0	356	0	0	8	692	2,471
Distillate Fuel Oil	0	8,517	5,925	3,021	0	13,273	0	0	11	30,725	30,021
Residual Fuel Oil	0	3,970	12,967	1,566	0	742	0	0	2	19,243	16,215
Petrochemical Feedstocks[2]	0	423	328	-60	0	-22	0	0	49	620	410
Special Naphthas	0	56	25	33	0	296	0	0	9	401	1,089
Lubricants	0	666	306	196	0	877	0	0	354	1,691	3,175
Waxes	0	73	27	0	0	11	0	0	5	106	62
Petroleum Coke	0	1,151	21	85	0	0	0	0	118	1,139	572
Asphalt and Road Oil	0	2,356	824	-390	0	339	0	0	1	3,128	7,229
Still Gas	0	1,816	0	0	0	0	0	0	0	1,816	0
Miscellaneous Products	0	310	54	-146	0	61	0	0	5	274	781
Total	**2,033**	**43,732**	**69,307**	**7,432**	**1,917**	**69,130**	**0**	**41,953**	**652**	**150,947**	**167,608**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, May 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,204**	**0**	**35,186**	**652**	**1,031**	**658**	**1**	**38,730**	**0**	**0**	**16,321**
Natural Gas Liquids and LRGs	**866**	**1,451**	**1,032**	**-522**	**0**	**1,517**	**0**	**181**	**22**	**4,141**	**3,709**
Liquefied Petroleum Gases	735	1,451	789	-518	0	1,517	0	141	22	3,811	3,663
Pentanes Plus	131	0	243	-4	0	0	0	40	0	330	46
Other Liquids	**55**	**0**	**6,582**	**-2,063**	**0**	**398**	**0**	**5,342**	**0**	**-370**	**17,213**
Other Hydrocarbons and Alcohol	55	0	0	11	0	0	0	66	0	0	66
Unfinished Oils	0	0	4,057	-1,820	0	162	0	3,434	0	-1,035	12,565
Motor Gasoline Blending Components	0	0	2,525	-254	0	236	0	1,842	0	665	4,582
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**44,762**	**35,349**	**-7,610**	**0**	**71,804**	**0**	**0**	**372**	**143,933**	**139,908**
Finished Motor Gasoline	0	19,818	12,355	693	0	43,198	0	0	18	76,046	58,713
Finished Leaded Motor Gasoline	0	2,284	539	808	0	6,414	0	0	5	10,040	10,273
Finished Unleaded Motor Gasoline	0	17,534	11,816	-115	0	36,784	0	0	13	66,006	48,440
Finished Aviation Gasoline	0	13	0	33	0	205	0	0	0	251	337
Naphtha-Type Jet Fuel	0	749	0	-251	0	515	0	0	3	1,010	1,362
Kerosene-Type Jet Fuel	0	1,844	1,903	-401	0	9,442	0	0	8	12,780	9,787
Kerosene	0	154	77	494	0	100	0	0	12	813	1,977
Distillate Fuel Oil	0	9,773	7,030	-4,882	0	14,973	0	0	19	26,875	34,903
Residual Fuel Oil	0	3,944	12,290	-2,551	0	826	0	0	6	14,503	18,766
Petrochemical Feedstocks[2]	0	548	185	-97	0	-71	0	0	45	520	507
Special Naphthas	0	83	85	19	0	280	0	0	12	455	1,070
Lubricants	0	793	325	16	0	1,662	0	0	204	2,592	3,159
Waxes	0	77	46	-15	0	12	0	0	4	116	77
Petroleum Coke	0	1,201	0	76	0	0	0	0	34	1,243	496
Asphalt and Road Oil	0	3,414	1,005	-201	0	621	0	0	2	4,837	7,430
Still Gas	0	1,896	0	0	0	0	0	0	0	1,896	0
Miscellaneous Products	0	455	48	-543	0	41	0	0	6	-5	1,324
Total	**2,125**	**46,213**	**78,148**	**-9,543**	**1,031**	**74,377**	**1**	**44,253**	**394**	**147,704**	**177,151**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,202**	**0**	**37,952**	**-1,226**	**-826**	**2,822**	**0**	**39,924**	**0**	**0**	**17,547**
Natural Gas Liquids and LRGs	**781**	**1,766**	**527**	**-364**	**0**	**1,726**	**0**	**157**	**92**	**4,187**	**4,073**
Liquefied Petroleum Gases	660	1,766	303	-362	0	1,726	0	93	92	3,908	4,025
Pentanes Plus	121	0	224	-2	0	0	0	64	0	279	48
Other Liquids	**17**	**0**	**4,902**	**-376**	**0**	**197**	**0**	**6,835**	**0**	**-2,095**	**17,589**
Other Hydrocarbons and Alcohol	17	0	0	56	0	0	0	73	0	0	10
Unfinished Oils	0	0	3,285	-725	0	162	0	4,566	0	-1,844	13,290
Motor Gasoline Blending Components	0	0	1,617	293	0	35	0	2,196	0	-251	4,289
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**47,044**	**29,911**	**3,389**	**0**	**68,451**	**0**	**0**	**812**	**147,983**	**136,519**
Finished Motor Gasoline	0	21,586	11,209	2,888	0	41,307	0	0	57	76,933	55,825
Finished Leaded Motor Gasoline	0	2,312	526	154	0	5,952	0	0	2	8,942	10,119
Finished Unleaded Motor Gasoline	0	19,274	10,683	2,734	0	35,355	0	0	55	67,991	45,706
Finished Aviation Gasoline	0	-1	0	4	0	185	0	0	0	188	333
Naphtha-Type Jet Fuel	0	677	0	-219	0	667	0	0	(s)	1,125	1,581
Kerosene-Type Jet Fuel	0	2,082	1,906	-174	0	9,155	0	0	8	12,961	9,961
Kerosene	0	179	263	-319	0	43	0	0	7	159	2,296
Distillate Fuel Oil	0	9,915	6,026	-2,537	0	14,356	0	0	159	27,601	37,440
Residual Fuel Oil	0	3,828	8,820	2,355	0	665	0	0	1	15,667	16,411
Petrochemical Feedstocks[2]	0	302	228	65	0	34	0	0	40	589	442
Special Naphthas	0	170	94	-1	0	418	0	0	23	658	1,071
Lubricants	0	528	161	209	0	915	0	0	329	1,484	2,950
Waxes	0	71	23	11	0	3	0	0	7	101	66
Petroleum Coke	0	1,224	0	-82	0	0	0	0	173	969	578
Asphalt and Road Oil	0	4,139	1,151	862	0	669	0	0	(s)	6,821	6,568
Still Gas	0	1,975	0	0	0	0	0	0	0	1,975	0
Miscellaneous Products	0	369	30	327	0	34	0	0	6	754	997
Total	**2,000**	**48,810**	**73,292**	**1,423**	**-826**	**73,196**	**0**	**46,916**	**904**	**150,075**	**175,728**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, July 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,168**	**0**	**35,613**	**2,414**	**2,300**	**2,050**	**2**	**43,543**	**0**	**0**	**15,133**
Natural Gas Liquids and LRGs	**872**	**1,857**	**1,050**	**-777**	**0**	**1,932**	**0**	**139**	**34**	**4,761**	**4,850**
Liquefied Petroleum Gases	740	1,857	1,050	-777	0	1,932	0	94	34	4,674	4,802
Pentanes Plus	132	0	0	0	0	0	0	45	0	87	48
Other Liquids	**37**	**0**	**6,339**	**-1,526**	**0**	**409**	**0**	**6,035**	**0**	**-776**	**19,115**
Other Hydrocarbons and Alcohol	37	0	0	-1	0	0	0	36	0	0	11
Unfinished Oils	0	0	4,362	-720	0	177	0	4,757	0	-938	14,010
Motor Gasoline Blending Components	0	0	1,977	-805	0	232	0	1,242	0	162	5,094
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**50,135**	**35,027**	**-9,085**	**0**	**68,913**	**0**	**0**	**938**	**144,052**	**145,604**
Finished Motor Gasoline	0	22,827	12,293	-1,592	0	42,226	0	0	4	75,750	57,417
Finished Leaded Motor Gasoline	0	2,551	263	-1,649	0	6,683	0	0	1	7,847	11,768
Finished Unleaded Motor Gasoline	0	20,276	12,030	57	0	35,543	0	0	3	67,903	45,649
Finished Aviation Gasoline	0	11	0	51	0	91	0	0	0	153	282
Naphtha-Type Jet Fuel	0	884	0	95	0	468	0	0	0	1,447	1,486
Kerosene-Type Jet Fuel	0	2,646	1,553	-410	0	9,490	0	0	21	13,258	10,371
Kerosene	0	8	13	-54	0	261	0	0	4	224	2,350
Distillate Fuel Oil	0	10,132	6,238	-7,264	0	14,275	0	0	8	23,373	44,704
Residual Fuel Oil	0	4,318	13,335	-168	0	486	0	0	3	17,968	16,579
Petrochemical Feedstocks[2]	0	380	166	-130	0	-18	0	0	64	334	572
Special Naphthas	0	91	73	14	0	205	0	0	83	300	1,057
Lubricants	0	811	259	-43	0	973	0	0	212	1,788	2,993
Waxes	0	97	33	-22	0	5	0	0	6	107	88
Petroleum Coke	0	1,304	0	46	0	0	0	0	521	829	532
Asphalt and Road Oil	0	4,041	1,001	322	0	385	0	0	(s)	5,749	6,246
Still Gas	0	2,172	0	0	0	0	0	0	0	2,172	0
Miscellaneous Products	0	413	63	70	0	66	0	0	10	602	927
Total	**2,077**	**51,992**	**78,029**	**-8,974**	**2,300**	**73,304**	**2**	**49,717**	**972**	**148,037**	**184,702**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,197**	**0**	**38,374**	**-1,011**	**3,188**	**1,803**	**0**	**43,551**	**0**	**0**	**16,144**
Natural Gas Liquids and LRGs	**912**	**1,797**	**1,200**	**-854**	**0**	**2,564**	**0**	**165**	**247**	**5,207**	**5,704**
Liquefied Petroleum Gases	775	1,797	693	-848	0	2,564	0	110	247	4,624	5,650
Pentanes Plus	137	0	507	-6	0	0	0	55	0	583	54
Other Liquids	**41**	**0**	**5,024**	**1,424**	**0**	**184**	**0**	**6,776**	**0**	**-103**	**17,691**
Other Hydrocarbons and Alcohol	41	0	0	3	0	0	0	44	0	0	8
Unfinished Oils	0	0	3,648	815	0	150	0	5,058	0	-445	13,195
Motor Gasoline Blending Components	0	0	1,376	606	0	34	0	1,674	0	342	4,488
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**50,967**	**41,488**	**-4,844**	**0**	**72,122**	**0**	**0**	**405**	**159,328**	**150,448**
Finished Motor Gasoline	0	23,042	13,855	30	0	40,795	0	0	10	77,712	57,387
Finished Leaded Motor Gasoline	0	2,024	136	260	0	5,454	0	0	3	7,871	11,508
Finished Unleaded Motor Gasoline	0	21,018	13,719	-230	0	35,341	0	0	6	69,842	45,879
Finished Aviation Gasoline	0	23	0	-65	0	243	0	0	0	201	347
Naphtha-Type Jet Fuel	0	898	0	118	0	268	0	0	0	1,284	1,368
Kerosene-Type Jet Fuel	0	2,307	1,460	924	0	9,640	0	0	15	14,316	9,447
Kerosene	0	249	235	-605	0	382	0	0	8	253	2,955
Distillate Fuel Oil	0	10,846	8,284	-7,618	0	18,653	0	0	19	30,146	52,322
Residual Fuel Oil	0	3,837	15,910	1,597	0	288	0	0	2	21,630	14,982
Petrochemical Feedstocks[2]	0	231	415	98	0	-32	0	0	89	623	474
Special Naphthas	0	234	82	-118	0	262	0	0	13	447	1,175
Lubricants	0	702	194	78	0	1,040	0	0	156	1,858	2,915
Waxes	0	90	21	14	0	0	0	0	10	115	74
Petroleum Coke	0	1,338	0	-109	0	0	0	0	74	1,155	641
Asphalt and Road Oil	0	4,528	982	669	0	515	0	0	1	6,693	5,577
Still Gas	0	2,194	0	0	0	0	0	0	0	2,194	0
Miscellaneous Products	0	448	50	143	0	68	0	0	8	701	784
Total	**2,150**	**52,764**	**86,086**	**-5,285**	**3,188**	**76,673**	**0**	**50,492**	**651**	**164,432**	**189,987**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,112**	**0**	**36,575**	**1,091**	**-241**	**2,366**	**1**	**40,902**	**0**	**0**	**15,053**
Natural Gas Liquids and LRGs	**881**	**1,698**	**916**	**-199**	**0**	**2,514**	**0**	**151**	**121**	**5,538**	**5,903**
Liquefied Petroleum Gases	766	1,698	798	-201	0	2,514	0	106	121	5,348	5,851
Pentanes Plus	115	0	118	2	0	0	0	45	0	190	52
Other Liquids	**0**	**0**	**5,229**	**-530**	**0**	**177**	**0**	**8,281**	**0**	**-3,405**	**18,221**
Other Hydrocarbons and Alcohol	0	0	0	2	0	0	0	2	0	0	6
Unfinished Oils	0	0	4,029	-401	0	144	0	6,668	0	-2,896	13,596
Motor Gasoline Blending Components	0	0	1,200	-131	0	33	0	1,611	0	-509	4,619
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**49,672**	**40,346**	**-6,689**	**0**	**65,949**	**0**	**0**	**485**	**148,793**	**157,137**
Finished Motor Gasoline	0	22,542	11,107	816	0	38,611	0	0	12	73,064	56,571
Finished Leaded Motor Gasoline	0	2,113	113	1,153	0	4,955	0	0	1	8,333	10,355
Finished Unleaded Motor Gasoline	0	20,429	10,994	-337	0	33,656	0	0	10	64,732	46,216
Finished Aviation Gasoline	0	-2	0	60	0	95	0	0	0	153	287
Naphtha-Type Jet Fuel	0	886	0	230	0	506	0	0	1	1,621	1,138
Kerosene-Type Jet Fuel	0	2,308	1,443	-287	0	9,591	0	0	(s)	13,054	9,734
Kerosene	0	124	164	14	0	227	0	0	9	520	2,941
Distillate Fuel Oil	0	10,757	8,484	-4,708	0	14,627	0	0	15	29,145	57,030
Residual Fuel Oil	0	4,149	17,460	-4,374	0	596	0	0	7	17,824	19,356
Petrochemical Feedstocks[2]	0	190	374	54	0	11	0	0	39	590	420
Special Naphthas	0	-40	2	262	0	109	0	0	106	227	913
Lubricants	0	715	267	290	0	1,141	0	0	225	2,188	2,625
Waxes	0	85	17	12	0	2	0	0	7	109	62
Petroleum Coke	0	1,310	0	-12	0	0	0	0	56	1,242	653
Asphalt and Road Oil	0	4,146	971	848	0	349	0	0	2	6,312	4,729
Still Gas	0	1,935	0	0	0	0	0	0	0	1,935	0
Miscellaneous Products	0	567	57	106	0	84	0	0	9	805	678
Total	**1,993**	**51,370**	**83,066**	**-6,327**	**-241**	**71,006**	**1**	**49,334**	**606**	**150,925**	**196,314**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I--Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,062**	**0**	**40,611**	**-1,748**	**-2,353**	**1,849**	**1**	**39,420**	**0**	**0**	**16,801**
Natural Gas Liquids and LRGs	**821**	**1,851**	**1,046**	**311**	**0**	**3,132**	**0**	**218**	**38**	**6,905**	**5,592**
Liquefied Petroleum Gases	722	1,851	805	312	0	3,132	0	184	38	6,600	5,539
Pentanes Plus	99	0	241	-1	0	0	0	34	0	305	53
Other Liquids	**10**	**0**	**5,279**	**1,160**	**0**	**388**	**0**	**7,464**	**0**	**-627**	**17,061**
Other Hydrocarbons and Alcohol	10	0	0	-10	0	0	0	0	0	0	16
Unfinished Oils	0	0	4,048	1,113	0	124	0	6,545	0	-1,260	12,483
Motor Gasoline Blending Components	0	0	1,231	57	0	264	0	919	0	633	4,562
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**47,801**	**39,798**	**2,917**	**0**	**69,910**	**0**	**0**	**578**	**159,848**	**154,220**
Finished Motor Gasoline	0	21,675	9,723	2,483	0	39,999	0	0	27	73,853	54,088
Finished Leaded Motor Gasoline	0	2,001	57	1,902	0	4,395	0	0	24	8,331	8,453
Finished Unleaded Motor Gasoline	0	19,674	9,666	581	0	35,604	0	0	2	65,523	45,635
Finished Aviation Gasoline	0	30	0	-104	0	288	0	0	0	214	391
Naphtha-Type Jet Fuel	0	761	0	61	0	785	0	0	(s)	1,607	1,077
Kerosene-Type Jet Fuel	0	1,871	2,867	-771	0	11,039	0	0	4	15,002	10,505
Kerosene	0	341	527	-251	0	498	0	0	7	1,108	3,192
Distillate Fuel Oil	0	10,252	10,029	322	0	14,843	0	0	44	35,402	56,708
Residual Fuel Oil	0	4,232	14,964	1,623	0	449	0	0	130	21,138	17,733
Petrochemical Feedstocks[2]	0	192	196	66	0	-1	0	0	60	393	354
Special Naphthas	0	186	12	-73	0	335	0	0	9	451	986
Lubricants	0	748	325	-106	0	1,018	0	0	198	1,787	2,731
Waxes	0	95	35	-17	0	6	0	0	4	115	79
Petroleum Coke	0	1,309	0	-19	0	0	0	0	87	1,203	672
Asphalt and Road Oil	0	3,776	1,065	-192	0	604	0	0	(s)	5,253	4,921
Still Gas	0	1,916	0	0	0	0	0	0	0	1,916	0
Miscellaneous Products	0	417	55	-105	0	47	0	0	7	407	783
Total	**1,893**	**49,652**	**66,734**	**2,640**	**-2,353**	**75,279**	**1**	**47,102**	**616**	**166,126**	**193,674**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,027**	**0**	**28,792**	**2,033**	**3,666**	**1,433**	**0**	**36,951**	**(s)**	**0**	**14,768**
Natural Gas Liquids and LRGs	**850**	**1,663**	**2,067**	**-61**	**0**	**3,192**	**0**	**377**	**100**	**7,233**	**5,653**
Liquefied Petroleum Gases	745	1,663	1,573	-42	0	3,192	0	333	100	6,697	5,581
Pentanes Plus	105	0	494	-19	0	0	0	44	0	536	72
Other Liquids	**12**	**0**	**5,012**	**-936**	**0**	**426**	**0**	**6,435**	**0**	**-1,921**	**17,997**
Other Hydrocarbons and Alcohol	12	0	0	-12	0	0	0	0	0	0	28
Unfinished Oils	0	0	3,729	-952	0	220	0	6,056	0	-3,059	13,435
Motor Gasoline Blending Components	0	0	1,283	28	0	206	0	379	0	1,138	4,534
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**44,371**	**47,793**	**-1,725**	**0**	**69,813**	**0**	**0**	**579**	**159,672**	**155,945**
Finished Motor Gasoline	0	19,855	13,011	-2,045	0	39,920	0	0	11	70,730	56,133
Finished Leaded Motor Gasoline	0	1,466	373	831	0	4,266	0	0	1	6,935	7,622
Finished Unleaded Motor Gasoline	0	18,389	12,638	-2,876	0	35,654	0	0	10	63,795	48,511
Finished Aviation Gasoline	0	0	0	-3	0	129	0	0	0	126	394
Naphtha-Type Jet Fuel	0	869	0	14	0	207	0	0	(s)	1,090	1,063
Kerosene-Type Jet Fuel	0	1,568	1,722	-121	0	11,736	0	0	(s)	14,905	10,626
Kerosene	0	281	260	-656	0	549	0	0	2	432	3,848
Distillate Fuel Oil	0	9,952	9,440	2,133	0	15,488	0	0	15	36,998	54,575
Residual Fuel Oil	0	3,815	22,125	-915	0	103	0	0	4	25,124	18,648
Petrochemical Feedstocks[2]	0	223	199	4	0	86	0	0	80	432	350
Special Naphthas	0	421	4	-74	0	305	0	0	123	533	1,060
Lubricants	0	757	205	105	0	909	0	0	291	1,685	2,626
Waxes	0	77	25	5	0	0	0	0	3	104	74
Petroleum Coke	0	1,425	0	-172	0	0	0	0	45	1,208	844
Asphalt and Road Oil	0	2,940	772	-39	0	358	0	0	(s)	4,031	4,960
Still Gas	0	1,767	0	0	0	0	0	0	0	1,767	0
Miscellaneous Products	0	421	30	39	0	23	0	0	5	508	744
Total	**1,889**	**46,034**	**83,663**	**-689**	**3,666**	**74,864**	**0**	**43,763**	**680**	**164,985**	**194,363**

[1] Unaccounted for crude oil is a balancing item.
[2] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 4. PAD District I–Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**1,065**	**0**	**38,537**	**-791**	**298**	**1,484**	**0**	**40,593**	**0**	**0**	**15,559**
Natural Gas Liquids and LRGs	**875**	**1,704**	**1,812**	**821**	**0**	**4,385**	**0**	**235**	**57**	**9,305**	**4,832**
Liquefied Petroleum Gases	772	1,704	1,812	798	0	4,385	0	209	57	9,205	4,783
Pentanes Plus	103	0	0	23	0	0	0	26	0	100	49
Other Liquids	**36**	**0**	**6,089**	**707**	**0**	**265**	**0**	**6,716**	**0**	**381**	**17,290**
Other Hydrocarbons and Alcohol	36	0	0	28	0	0	0	64	0	0	0
Unfinished Oils	0	0	4,396	1,065	0	125	0	6,425	0	-839	12,370
Motor Gasoline Blending Components	0	0	1,693	-386	0	140	0	227	0	1,220	4,920
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**0**	**48,061**	**52,317**	**5,807**	**0**	**83,053**	**0**	**0**	**587**	**188,652**	**150,138**
Finished Motor Gasoline	0	20,556	8,345	-1,409	0	46,613	0	0	25	74,080	57,542
Finished Leaded Motor Gasoline	0	1,456	147	-330	0	4,431	0	0	(s)	5,704	7,952
Finished Unleaded Motor Gasoline	0	19,100	8,198	-1,079	0	42,182	0	0	25	68,376	49,590
Finished Aviation Gasoline	0	12	0	16	0	117	0	0	0	145	378
Naphtha-Type Jet Fuel	0	992	0	84	0	582	0	0	0	1,658	979
Kerosene-Type Jet Fuel	0	1,659	1,630	1,192	0	10,620	0	0	(s)	15,101	9,434
Kerosene	0	453	289	675	0	984	0	0	4	2,397	3,173
Distillate Fuel Oil	0	12,110	12,293	5,352	0	21,999	0	0	8	51,746	49,223
Residual Fuel Oil	0	5,463	28,543	-155	0	736	0	0	4	34,583	18,803
Petrochemical Feedstocks[2]	0	240	239	-26	0	-1	0	0	90	362	376
Special Naphthas	0	316	24	-92	0	299	0	0	163	384	1,152
Lubricants	0	734	303	-283	0	693	0	0	200	1,247	2,909
Waxes	0	87	30	-5	0	1	0	0	16	97	79
Petroleum Coke	0	1,417	0	-12	0	0	0	0	67	1,338	856
Asphalt and Road Oil	0	1,500	565	440	0	363	0	0	(s)	2,868	4,520
Still Gas	0	1,962	0	0	0	0	0	0	0	1,962	0
Miscellaneous Products	0	560	56	30	0	47	0	0	10	683	714
Total	**1,976**	**49,765**	**98,755**	**6,544**	**298**	**89,187**	**0**	**47,544**	**644**	**198,338**	**187,819**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,415**	**0**	**15,476**	**2,460**	**-3,215**	**45,321**	**0**	**85,244**	**213**	**0**	**70,583**
Natural Gas Liquids and LRGs	**8,294**	**2,661**	**3,565**	**5,436**	**0**	**935**	**0**	**4,382**	**538**	**15,971**	**27,096**
Liquefied Petroleum Gases	6,869	2,661	3,535	5,504	0	673	0	3,385	475	15,381	24,237
Pentanes Plus	1,425	0	30	-68	0	262	0	997	63	589	2,859
Other Liquids	**-9**	**0**	**0**	**-366**	**0**	**-17**	**0**	**1,319**	**0**	**-1,711**	**22,275**
Other Hydrocarbons and Alcohol	-9	0	0	84	0	0	0	75	0	0	102
Unfinished Oils	0	0	0	-498	0	0	0	-211	0	-287	14,378
Motor Gasoline Blending Components	0	0	0	45	0	-17	0	1,452	0	-1,424	7,642
Aviation Gasoline Blending Components	0	0	0	3	0	0	0	3	0	0	153
Finished Petroleum Products	**6**	**92,171**	**1,766**	**-3,516**	**0**	**22,779**	**0**	**0**	**183**	**113,022**	**120,258**
Finished Motor Gasoline	0	48,997	69	-2,237	0	15,455	0	0	25	62,259	55,734
Finished Leaded Motor Gasoline	0	8,818	0	612	0	3,268	0	0	6	12,692	17,223
Finished Unleaded Motor Gasoline	0	40,179	69	-2,849	0	12,187	0	0	19	49,567	38,511
Finished Aviation Gasoline	0	115	0	95	0	45	0	0	0	255	600
Naphtha-Type Jet Fuel	0	530	79	-349	0	-54	0	0	0	206	1,676
Kerosene-Type Jet Fuel	0	5,549	1,250	610	0	4,138	0	0	0	11,547	8,252
Kerosene	0	841	0	694	0	-52	0	0	3	1,480	2,013
Distillate Fuel Oil	0	20,843	153	252	0	3,294	0	0	46	24,496	34,390
Residual Fuel Oil	0	2,431	130	-185	0	-316	0	0	0	2,060	3,223
Petrochemical Feedstocks[2]	0	1,346	22	36	0	-67	0	0	25	1,312	380
Special Naphthas	0	283	31	40	0	74	0	0	6	422	605
Lubricants	0	753	12	-200	0	253	0	0	48	770	2,325
Waxes	0	38	15	-4	0	0	0	0	2	47	103
Petroleum Coke	0	3,660	0	-447	0	0	0	0	28	3,185	1,322
Asphalt and Road Oil	0	2,515	2	-1,920	0	15	0	0	1	611	9,225
Still Gas	0	3,978	0	0	0	0	0	0	0	3,978	0
Miscellaneous Products	6	292	3	99	0	-6	0	0	(s)	394	410
Total	**33,706**	**94,832**	**20,806**	**4,014**	**-3,215**	**69,018**	**0**	**90,945**	**934**	**127,282**	**240,212**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,137**	**0**	**15,094**	**-424**	**-80**	**41,717**	**0**	**80,787**	**657**	**0**	**71,007**
Natural Gas Liquids and LRGs	**8,355**	**2,394**	**3,463**	**4,316**	**0**	**1,301**	**0**	**4,326**	**452**	**15,052**	**22,780**
Liquefied Petroleum Gases	7,002	2,394	3,423	4,058	0	853	0	3,291	395	14,044	20,179
Pentanes Plus	1,353	0	40	258	0	448	0	1,035	56	1,008	2,601
Other Liquids	**70**	**0**	**0**	**-126**	**0**	**-94**	**0**	**1,644**	**0**	**-1,794**	**22,401**
Other Hydrocarbons and Alcohol	70	0	0	29	0	0	0	99	0	0	73
Unfinished Oils	0	0	0	-193	0	0	0	193	0	-386	14,571
Motor Gasoline Blending Components	0	0	0	43	0	-94	0	1,357	0	-1,408	7,599
Aviation Gasoline Blending Components	0	0	0	-5	0	0	0	-5	0	0	158
Finished Petroleum Products	**8**	**88,491**	**776**	**2,057**	**0**	**17,690**	**0**	**0**	**243**	**108,778**	**118,201**
Finished Motor Gasoline	0	49,094	77	-2,968	0	13,022	0	0	26	59,199	58,702
Finished Leaded Motor Gasoline	0	8,943	0	384	0	3,272	0	0	6	12,593	16,839
Finished Unleaded Motor Gasoline	0	40,151	77	-3,352	0	9,750	0	0	19	46,607	41,863
Finished Aviation Gasoline	0	38	0	36	0	86	0	0	0	160	564
Naphtha-Type Jet Fuel	0	504	77	833	0	21	0	0	0	1,435	843
Kerosene-Type Jet Fuel	0	4,949	269	793	0	1,869	0	0	2	7,878	7,459
Kerosene	0	963	0	158	0	-57	0	0	116	948	1,855
Distillate Fuel Oil	0	18,047	150	4,565	0	2,729	0	0	3	25,488	29,825
Residual Fuel Oil	0	2,212	129	145	0	-270	0	0	0	2,216	3,078
Petrochemical Feedstocks[2]	0	1,259	17	-29	0	-25	0	0	20	1,202	409
Special Naphthas	0	206	28	42	0	158	0	0	5	429	563
Lubricants	0	839	12	-16	0	182	0	0	39	978	2,341
Waxes	0	40	10	4	0	0	0	0	2	52	99
Petroleum Coke	0	3,371	0	-179	0	0	0	0	31	3,161	1,501
Asphalt and Road Oil	0	2,797	3	-1,391	0	0	0	0	1	1,408	10,616
Still Gas	0	3,881	0	0	0	0	0	0	0	3,881	0
Miscellaneous Products	8	291	4	64	0	-25	0	0	(s)	342	346
Total	**33,570**	**90,885**	**19,333**	**5,823**	**-80**	**60,614**	**0**	**86,757**	**1,352**	**122,036**	**234,389**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,503**	**0**	**16,403**	**-2,873**	**3,521**	**46,103**	**0**	**88,960**	**697**	**0**	**73,880**
Natural Gas Liquids and LRGs	**9,399**	**2,694**	**2,753**	**621**	**0**	**1,466**	**0**	**4,141**	**514**	**12,278**	**22,159**
Liquefied Petroleum Gases	7,967	2,694	2,715	464	0	1,027	0	2,807	451	11,609	19,715
Pentanes Plus	1,432	0	38	157	0	439	0	1,334	63	669	2,444
Other Liquids	**512**	**0**	**21**	**-2,298**	**0**	**-178**	**0**	**-278**	**0**	**-1,665**	**24,699**
Other Hydrocarbons and Alcohol	512	0	0	-1	0	0	0	511	0	0	74
Unfinished Oils	0	0	0	-2,030	0	0	0	-1,341	0	-689	16,601
Motor Gasoline Blending Components	0	0	21	-306	0	-178	0	513	0	-976	7,905
Aviation Gasoline Blending Components	0	0	0	39	0	0	0	39	0	0	119
Finished Petroleum Products	**3**	**94,690**	**915**	**4,000**	**0**	**22,626**	**0**	**0**	**236**	**121,998**	**114,201**
Finished Motor Gasoline	0	52,010	139	268	0	14,851	0	0	26	67,242	58,434
Finished Leaded Motor Gasoline	0	10,269	0	528	0	3,195	0	0	10	13,982	16,311
Finished Unleaded Motor Gasoline	0	41,741	139	-260	0	11,656	0	0	16	53,260	42,123
Finished Aviation Gasoline	0	51	0	80	0	53	0	0	0	184	484
Naphtha-Type Jet Fuel	0	632	63	-625	0	-46	0	0	0	24	1,468
Kerosene-Type Jet Fuel	0	5,937	148	-991	0	2,449	0	0	(s)	7,543	8,450
Kerosene	0	401	0	73	0	-69	0	0	2	403	1,782
Distillate Fuel Oil	0	19,137	218	6,572	0	4,943	0	0	20	30,850	23,253
Residual Fuel Oil	0	2,024	218	196	0	-146	0	0	0	2,292	2,882
Petrochemical Feedstocks[2]	0	1,518	12	97	0	178	0	0	66	1,739	312
Special Naphthas	0	254	79	83	0	132	0	0	20	528	480
Lubricants	0	861	13	59	0	291	0	0	43	1,181	2,282
Waxes	0	63	19	-8	0	0	0	0	1	73	107
Petroleum Coke	0	3,672	0	-248	0	0	0	0	56	3,368	1,749
Asphalt and Road Oil	0	3,597	3	-1,583	0	15	0	0	0	2,032	12,199
Still Gas	0	4,189	0	0	0	0	0	0	0	4,189	0
Miscellaneous Products	3	344	3	27	0	-25	0	0	0	352	319
Total	**36,417**	**97,384**	**20,092**	**-550**	**3,521**	**70,017**	**0**	**92,823**	**1,447**	**132,611**	**234,939**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,518**	**0**	**16,296**	**-3,665**	**866**	**47,940**	**0**	**86,613**	**342**	**0**	**77,545**
Natural Gas Liquids and LRGs	**9,299**	**2,693**	**2,361**	**-3,998**	**0**	**887**	**0**	**3,223**	**521**	**7,498**	**26,157**
Liquefied Petroleum Gases	7,915	2,693	2,323	-3,230	0	229	0	2,372	462	7,096	22,945
Pentanes Plus	1,384	0	38	-768	0	658	0	851	59	402	3,212
Other Liquids	**210**	**0**	**0**	**137**	**0**	**-50**	**0**	**1,868**	**0**	**-1,571**	**24,562**
Other Hydrocarbons and Alcohol	210	0	0	-42	0	0	0	168	0	0	116
Unfinished Oils	0	0	0	-433	0	0	0	287	0	-720	17,034
Motor Gasoline Blending Components	0	0	0	650	0	-50	0	1,381	0	-781	7,255
Aviation Gasoline Blending Components	0	0	0	-38	0	0	0	32	0	-70	157
Finished Petroleum Products	**3**	**93,310**	**663**	**-2,401**	**0**	**23,400**	**0**	**0**	**319**	**114,656**	**116,602**
Finished Motor Gasoline	0	50,330	155	2,732	0	13,512	0	0	74	66,655	55,702
Finished Leaded Motor Gasoline	0	9,931	1	1,330	0	3,122	0	0	2	14,382	14,981
Finished Unleaded Motor Gasoline	0	40,399	154	1,402	0	10,390	0	0	72	52,273	40,721
Finished Aviation Gasoline	0	136	0	-153	0	150	0	0	0	133	637
Naphtha-Type Jet Fuel	0	728	89	436	0	43	0	0	0	1,296	1,032
Kerosene-Type Jet Fuel	0	5,033	56	-72	0	2,073	0	0	0	7,090	8,522
Kerosene	0	173	0	72	0	-111	0	0	1	133	1,710
Distillate Fuel Oil	0	20,705	168	-3,350	0	6,935	0	0	6	24,452	26,603
Residual Fuel Oil	0	2,049	79	-300	0	55	0	0	0	1,883	3,182
Petrochemical Feedstocks[2]	0	1,293	9	22	0	68	0	0	75	1,317	290
Special Naphthas	0	240	79	35	0	149	0	0	5	498	445
Lubricants	0	844	9	-109	0	218	0	0	56	906	2,391
Waxes	0	40	10	11	0	0	0	0	2	59	96
Petroleum Coke	0	3,378	0	-356	0	0	0	0	99	2,923	2,105
Asphalt and Road Oil	0	3,825	3	-1,361	0	316	0	0	(s)	2,783	13,560
Still Gas	0	4,142	0	0	0	0	0	0	0	4,142	0
Miscellaneous Products	3	394	6	-8	0	-8	0	0	1	386	327
Total	**35,030**	**96,003**	**19,320**	**-9,927**	**866**	**72,177**	**0**	**91,704**	**1,181**	**120,584**	**244,866**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**26,115**	**0**	**16,244**	**-2,179**	**422**	**50,548**	**0**	**91,008**	**142**	**0**	**79,724**
Natural Gas Liquids and LRGs	**9,823**	**3,084**	**1,877**	**-3,212**	**0**	**-70**	**0**	**3,194**	**548**	**7,759**	**29,369**
Liquefied Petroleum Gases	8,378	3,084	1,849	-3,491	0	-451	0	2,208	484	6,677	26,436
Pentanes Plus	1,445	0	28	279	0	381	0	986	65	1,082	2,933
Other Liquids	**198**	**0**	**0**	**1,101**	**0**	**-166**	**0**	**2,085**	**0**	**-952**	**23,461**
Other Hydrocarbons and Alcohol	198	0	0	22	0	0	0	220	0	0	94
Unfinished Oils	0	0	0	1,332	0	0	0	1,883	0	-551	15,702
Motor Gasoline Blending Components	0	0	0	-336	0	-166	0	-101	0	-401	7,591
Aviation Gasoline Blending Components	0	0	0	83	0	0	0	83	0	0	74
Finished Petroleum Products	**4**	**97,654**	**1,745**	**-1,542**	**0**	**22,703**	**0**	**0**	**410**	**120,154**	**118,144**
Finished Motor Gasoline	0	52,914	86	-89	0	14,969	0	0	9	67,871	55,791
Finished Leaded Motor Gasoline	0	10,386	2	273	0	3,335	0	0	3	13,993	14,708
Finished Unleaded Motor Gasoline	0	42,528	84	-362	0	11,634	0	0	7	53,877	41,083
Finished Aviation Gasoline	0	57	0	75	0	114	0	0	0	246	562
Naphtha-Type Jet Fuel	0	862	100	-137	0	25	0	0	0	850	1,169
Kerosene-Type Jet Fuel	0	5,153	1,224	552	0	1,648	0	0	0	8,577	7,970
Kerosene	0	133	0	49	0	-227	0	0	1	-46	1,661
Distillate Fuel Oil	0	21,649	111	-2,255	0	5,828	0	0	60	25,273	28,858
Residual Fuel Oil	0	1,965	39	-6	0	-290	0	0	0	1,708	3,188
Petrochemical Feedstocks[2]	0	689	9	-95	0	46	0	0	55	594	385
Special Naphthas	0	312	80	-75	0	147	0	0	3	461	520
Lubricants	0	733	12	160	0	327	0	0	58	1,174	2,231
Waxes	0	44	15	0	0	10	0	0	31	38	96
Petroleum Coke	0	3,667	0	-440	0	0	0	0	190	3,037	2,545
Asphalt and Road Oil	0	4,638	62	802	0	106	0	0	2	5,606	12,758
Still Gas	0	4,376	0	0	0	0	0	0	0	4,376	0
Miscellaneous Products	4	462	7	-83	0	0	0	0	(s)	390	410
Total	**36,140**	**100,738**	**19,866**	**-5,832**	**422**	**73,015**	**0**	**96,287**	**1,100**	**126,961**	**250,698**

[1] Unaccounted for crude oil is a balancing item.
[2] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,542**	**0**	**16,774**	**-2,566**	**358**	**49,946**	**0**	**89,650**	**404**	**0**	**82,290**
Natural Gas Liquids and LRGs	**9,113**	**2,659**	**2,465**	**-3,063**	**0**	**-321**	**0**	**3,155**	**523**	**7,175**	**32,432**
Liquefied Petroleum Gases	7,690	2,659	2,437	-3,058	0	-884	0	2,072	460	6,312	29,494
Pentanes Plus	1,423	0	28	-5	0	563	0	1,083	63	863	2,938
Other Liquids	**287**	**0**	**0**	**256**	**0**	**-80**	**0**	**1,341**	**0**	**-878**	**23,205**
Other Hydrocarbons and Alcohol	287	0	0	-7	0	0	0	280	0	0	101
Unfinished Oils	0	0	0	-385	0	0	0	-176	0	-209	16,087
Motor Gasoline Blending Components	0	0	0	673	0	-80	0	1,262	0	-669	6,918
Aviation Gasoline Blending Components	0	0	0	-25	0	0	0	-25	0	0	99
Finished Petroleum Products	**4**	**95,640**	**667**	**8,765**	**0**	**20,763**	**0**	**0**	**667**	**125,172**	**109,379**
Finished Motor Gasoline	0	51,445	57	7,682	0	13,112	0	0	390	71,906	48,109
Finished Leaded Motor Gasoline	0	10,493	2	920	0	3,497	0	0	4	14,908	13,788
Finished Unleaded Motor Gasoline	0	40,952	55	6,762	0	9,615	0	0	386	56,998	34,321
Finished Aviation Gasoline	0	107	0	7	0	147	0	0	0	261	555
Naphtha-Type Jet Fuel	0	653	98	163	0	-53	0	0	0	861	1,006
Kerosene-Type Jet Fuel	0	5,142	138	148	0	1,787	0	0	0	7,215	7,822
Kerosene	0	114	0	28	0	-83	0	0	1	58	1,633
Distillate Fuel Oil	0	20,511	130	-874	0	5,403	0	0	48	25,122	29,732
Residual Fuel Oil	0	1,851	113	-187	0	-158	0	0	0	1,619	3,375
Petrochemical Feedstocks[2]	0	829	10	66	0	8	0	0	88	825	319
Special Naphthas	0	190	70	-16	0	184	0	0	3	425	536
Lubricants	0	872	16	-11	0	323	0	0	52	1,148	2,242
Waxes	0	42	11	6	0	0	0	0	3	56	90
Petroleum Coke	0	3,505	0	120	0	0	0	0	27	3,598	2,425
Asphalt and Road Oil	0	5,748	16	1,518	0	102	0	0	55	7,329	11,240
Still Gas	0	4,299	0	0	0	0	0	0	0	4,299	0
Miscellaneous Products	4	332	8	115	0	-9	0	0	0	450	295
Total	**34,946**	**98,299**	**19,906**	**3,392**	**358**	**70,308**	**0**	**94,146**	**1,595**	**131,469**	**247,306**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**24,865**	**0**	**16,665**	**3,919**	**-713**	**48,787**	**0**	**93,475**	**48**	**0**	**78,371**
Natural Gas Liquids and LRGs	**9,608**	**2,839**	**1,939**	**-4,984**	**0**	**1,494**	**0**	**3,248**	**505**	**7,143**	**37,416**
Liquefied Petroleum Gases	8,082	2,839	1,904	-4,384	0	669	0	2,060	442	6,607	33,878
Pentanes Plus	1,526	0	35	-600	0	825	0	1,188	63	535	3,538
Other Liquids	**249**	**0**	**0**	**-276**	**0**	**-166**	**0**	**1,073**	**0**	**-1,266**	**23,481**
Other Hydrocarbons and Alcohol	249	0	0	20	0	0	0	269	0	0	81
Unfinished Oils	0	0	0	-259	0	0	0	18	0	-277	16,346
Motor Gasoline Blending Components	0	0	0	99	0	-166	0	793	0	-860	6,819
Aviation Gasoline Blending Components	0	0	0	-136	0	0	0	-7	0	-129	235
Finished Petroleum Products	**3**	**98,773**	**988**	**-2,004**	**0**	**23,613**	**0**	**0**	**474**	**120,899**	**111,383**
Finished Motor Gasoline	0	53,268	167	-717	0	15,702	0	0	84	68,336	48,826
Finished Leaded Motor Gasoline	0	10,085	13	-480	0	2,828	0	0	1	12,445	14,268
Finished Unleaded Motor Gasoline	0	43,183	154	-237	0	12,874	0	0	83	55,891	34,558
Finished Aviation Gasoline	0	144	0	49	0	95	0	0	0	288	506
Naphtha-Type Jet Fuel	0	643	91	44	0	-57	0	0	0	721	962
Kerosene-Type Jet Fuel	0	5,487	363	-363	0	2,340	0	0	1	7,826	8,185
Kerosene	0	232	0	-52	0	-149	0	0	1	30	1,685
Distillate Fuel Oil	0	19,783	159	-859	0	5,300	0	0	2	24,381	30,591
Residual Fuel Oil	0	1,926	64	-447	0	-61	0	0	0	1,482	3,822
Petrochemical Feedstocks[2]	0	1,397	14	-23	0	42	0	0	56	1,374	342
Special Naphthas	0	283	30	-189	0	90	0	0	2	212	725
Lubricants	0	809	14	-97	0	225	0	0	38	913	2,339
Waxes	0	69	11	-25	0	0	0	0	60	-5	115
Petroleum Coke	0	3,587	0	-139	0	0	0	0	230	3,218	2,564
Asphalt and Road Oil	0	6,245	70	903	0	93	0	0	2	7,309	10,337
Still Gas	0	4,583	0	0	0	0	0	0	0	4,583	0
Miscellaneous Products	3	317	5	-89	0	-7	0	0	0	229	384
Total	**34,725**	**101,612**	**19,592**	**-3,345**	**-713**	**73,728**	**0**	**97,796**	**1,028**	**126,775**	**250,651**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**25,536**	**0**	**16,738**	**9,748**	**-1,992**	**46,215**	**0**	**96,095**	**150**	**0**	**68,623**
Natural Gas Liquids and LRGs	**9,399**	**2,970**	**2,547**	**-3,171**	**0**	**661**	**0**	**3,333**	**576**	**8,496**	**40,587**
Liquefied Petroleum Gases	7,867	2,970	2,512	-3,212	0	209	0	2,095	509	7,741	37,090
Pentanes Plus	1,532	0	35	41	0	452	0	1,238	67	755	3,497
Other Liquids	**509**	**0**	**0**	**-267**	**0**	**-72**	**0**	**1,669**	**0**	**-1,499**	**23,748**
Other Hydrocarbons and Alcohol	509	0	0	-25	0	0	0	484	0	0	106
Unfinished Oils	0	0	0	897	0	4	0	1,209	0	-308	15,449
Motor Gasoline Blending Components	0	0	0	-1,344	0	-76	0	-229	0	-1,191	8,163
Aviation Gasoline Blending Components	0	0	0	205	0	0	0	205	0	0	30
Finished Petroleum Products	**3**	**102,580**	**1,304**	**-1,479**	**0**	**26,677**	**0**	**0**	**753**	**128,332**	**112,862**
Finished Motor Gasoline	0	55,275	153	-3,668	0	18,758	0	0	8	70,510	52,494
Finished Leaded Motor Gasoline	0	9,386	9	-189	0	3,925	0	0	2	13,129	14,457
Finished Unleaded Motor Gasoline	0	45,889	144	-3,479	0	14,833	0	0	6	57,381	38,037
Finished Aviation Gasoline	0	177	0	-7	0	126	0	0	0	296	513
Naphtha-Type Jet Fuel	0	668	101	134	0	-21	0	0	0	882	828
Kerosene-Type Jet Fuel	0	4,958	201	546	0	2,204	0	0	(s)	7,908	7,639
Kerosene	0	221	0	-46	0	-127	0	0	1	47	1,731
Distillate Fuel Oil	0	20,728	189	-444	0	5,364	0	0	64	25,773	31,035
Residual Fuel Oil	0	2,014	380	225	0	-425	0	0	0	2,194	3,597
Petrochemical Feedstocks[2]	0	1,296	22	6	0	94	0	0	43	1,375	336
Special Naphthas	0	407	60	-65	0	142	0	0	1	543	790
Lubricants	0	833	21	112	0	235	0	0	41	1,160	2,227
Waxes	0	39	13	5	0	0	0	0	2	55	110
Petroleum Coke	0	3,761	0	486	0	0	0	0	520	3,727	2,078
Asphalt and Road Oil	0	7,133	158	1,255	0	337	0	0	72	8,811	9,082
Still Gas	0	4,717	0	0	0	0	0	0	0	4,717	0
Miscellaneous Products	3	353	6	-18	0	-10	0	0	(s)	334	402
Total	**35,447**	**105,550**	**20,588**	**4,831**	**-1,992**	**73,481**	**0**	**101,097**	**1,479**	**135,329**	**245,820**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**24,357**	**0**	**14,329**	**4,233**	**1,449**	**45,083**	**0**	**88,930**	**521**	**0**	**64,390**
Natural Gas Liquids and LRGs	**9,281**	**2,552**	**2,736**	**-950**	**0**	**2,107**	**0**	**3,304**	**467**	**11,955**	**41,537**
Liquefied Petroleum Gases	7,868	2,552	2,698	-1,004	0	1,538	0	2,077	410	11,165	38,094
Pentanes Plus	1,413	0	38	54	0	569	0	1,227	57	790	3,443
Other Liquids	**428**	**0**	**0**	**151**	**0**	**339**	**0**	**2,818**	**0**	**-1,900**	**23,597**
Other Hydrocarbons and Alcohol	428	0	0	-11	0	0	0	417	0	0	117
Unfinished Oils	0	0	0	469	0	267	0	1,534	0	-798	14,980
Motor Gasoline Blending Components	0	0	0	-263	0	72	0	911	0	-1,102	8,426
Aviation Gasoline Blending Components	0	0	0	-44	0	0	0	-44	0	0	74
Finished Petroleum Products	**3**	**96,530**	**558**	**902**	**0**	**23,687**	**0**	**0**	**587**	**121,093**	**111,960**
Finished Motor Gasoline	0	50,822	121	-362	0	15,503	0	0	8	66,076	52,856
Finished Leaded Motor Gasoline	0	8,145	0	1,040	0	2,552	0	0	(s)	11,737	13,417
Finished Unleaded Motor Gasoline	0	42,677	121	-1,402	0	12,951	0	0	7	54,340	39,439
Finished Aviation Gasoline	0	125	0	9	0	75	0	0	0	209	504
Naphtha-Type Jet Fuel	0	647	76	-91	0	-5	0	0	0	627	919
Kerosene-Type Jet Fuel	0	5,582	84	-841	0	2,768	0	0	0	7,593	8,480
Kerosene	0	751	0	-444	0	-158	0	0	2	147	2,175
Distillate Fuel Oil	0	19,961	155	556	0	5,290	0	0	113	25,849	30,479
Residual Fuel Oil	0	1,826	26	137	0	-333	0	0	0	1,656	3,460
Petrochemical Feedstocks[2]	0	1,281	9	4	0	192	0	0	103	1,383	332
Special Naphthas	0	334	33	174	0	108	0	0	112	537	616
Lubricants	0	642	17	254	0	216	0	0	29	1,100	1,973
Waxes	0	64	12	-23	0	0	0	0	3	50	133
Petroleum Coke	0	3,401	0	466	0	0	0	0	180	3,687	1,612
Asphalt and Road Oil	0	6,427	20	953	0	50	0	0	37	7,413	8,129
Still Gas	0	4,270	0	0	0	0	0	0	0	4,270	0
Miscellaneous Products	3	397	5	110	0	-19	0	0	(s)	496	292
Total	**34,069**	**99,082**	**17,622**	**4,336**	**1,449**	**71,216**	**0**	**95,052**	**1,575**	**131,147**	**241,484**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**24,532**	**0**	**16,533**	**-4,610**	**2,452**	**49,392**	**0**	**88,206**	**93**	**0**	**69,000**
Natural Gas Liquids and LRGs	**9,647**	**2,395**	**2,664**	**2,118**	**0**	**1,252**	**0**	**4,316**	**419**	**13,340**	**39,419**
Liquefied Petroleum Gases	8,180	2,395	2,636	1,807	0	533	0	2,901	368	12,282	36,287
Pentanes Plus	1,467	0	28	311	0	719	0	1,415	51	1,059	3,132
Other Liquids	**273**	**0**	**0**	**-618**	**0**	**325**	**0**	**2,334**	**0**	**-2,354**	**24,215**
Other Hydrocarbons and Alcohol	273	0	0	26	0	0	0	299	0	0	91
Unfinished Oils	0	0	0	-1,663	0	371	0	-489	0	-803	16,643
Motor Gasoline Blending Components	0	0	0	1,052	0	-46	0	2,557	0	-1,551	7,374
Aviation Gasoline Blending Components	0	0	0	-33	0	0	0	-33	0	0	107
Finished Petroleum Products	**3**	**96,069**	**1,378**	**4,788**	**0**	**24,865**	**0**	**0**	**242**	**126,862**	**107,172**
Finished Motor Gasoline	0	51,606	211	1,807	0	14,559	0	0	10	68,173	51,049
Finished Leaded Motor Gasoline	0	8,586	0	1,050	0	2,268	0	0	2	11,902	12,367
Finished Unleaded Motor Gasoline	0	43,020	211	757	0	12,291	0	0	8	56,271	38,682
Finished Aviation Gasoline	0	85	0	41	0	96	0	0	0	222	463
Naphtha-Type Jet Fuel	0	588	83	34	0	-123	0	0	0	582	885
Kerosene-Type Jet Fuel	0	4,594	462	329	0	3,087	0	0	1	8,472	8,151
Kerosene	0	452	0	-14	0	-198	0	0	57	183	2,189
Distillate Fuel Oil	0	21,062	230	1,819	0	7,143	0	0	59	30,195	28,660
Residual Fuel Oil	0	2,067	247	-161	0	-424	0	0	0	1,729	3,621
Petrochemical Feedstocks[2]	0	1,058	13	-29	0	78	0	0	44	1,076	361
Special Naphthas	0	452	35	24	0	116	0	0	5	622	592
Lubricants	0	876	15	-54	0	176	0	0	34	979	2,027
Waxes	0	57	15	10	0	0	0	0	1	81	123
Petroleum Coke	0	3,086	0	248	0	0	0	0	30	3,304	1,364
Asphalt and Road Oil	0	5,616	63	815	0	364	0	0	1	6,857	7,314
Still Gas	0	3,997	0	0	0	0	0	0	0	3,997	0
Miscellaneous Products	3	473	4	-81	0	-9	0	0	(s)	390	373
Total	**34,455**	**98,464**	**20,575**	**1,678**	**2,452**	**75,834**	**0**	**94,856**	**754**	**137,848**	**239,806**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**23,708**	**0**	**16,181**	**-3,117**	**-622**	**50,639**	**0**	**86,411**	**378**	**0**	**72,117**
Natural Gas Liquids and LRGs	**9,397**	**2,365**	**3,819**	**1,984**	**0**	**3,064**	**0**	**5,626**	**856**	**14,147**	**37,435**
Liquefied Petroleum Gases	7,992	2,365	3,787	1,385	0	2,434	0	4,010	742	13,211	34,902
Pentanes Plus	1,405	0	32	599	0	630	0	1,616	114	936	2,533
Other Liquids	**275**	**0**	**20**	**-364**	**0**	**242**	**0**	**2,302**	**0**	**-2,129**	**24,579**
Other Hydrocarbons and Alcohol	275	0	0	-32	0	0	0	243	0	0	123
Unfinished Oils	0	0	0	-813	0	277	0	239	0	-775	17,456
Motor Gasoline Blending Components	0	0	20	493	0	-35	0	1,832	0	-1,354	6,881
Aviation Gasoline Blending Components	0	0	0	-12	0	0	0	-12	0	0	119
Finished Petroleum Products	**4**	**95,897**	**869**	**832**	**0**	**23,045**	**0**	**0**	**585**	**120,062**	**106,340**
Finished Motor Gasoline	0	53,339	176	-400	0	12,891	0	0	3	66,003	51,449
Finished Leaded Motor Gasoline	0	8,565	0	-188	0	1,832	0	0	(s)	10,209	12,555
Finished Unleaded Motor Gasoline	0	44,774	176	-212	0	11,059	0	0	3	55,794	38,894
Finished Aviation Gasoline	0	116	0	-16	0	101	0	0	0	201	479
Naphtha-Type Jet Fuel	0	697	77	55	0	-61	0	0	(s)	768	830
Kerosene-Type Jet Fuel	0	4,544	0	255	0	3,124	0	0	1	7,922	7,896
Kerosene	0	709	0	180	0	-138	0	0	56	695	2,009
Distillate Fuel Oil	0	20,553	185	-573	0	6,820	0	0	2	26,983	29,233
Residual Fuel Oil	0	2,489	288	237	0	-133	0	0	0	2,881	3,384
Petrochemical Feedstocks[2]	0	1,168	23	45	0	141	0	0	41	1,336	316
Special Naphthas	0	397	68	32	0	132	0	0	5	624	560
Lubricants	0	788	19	1	0	197	0	0	29	976	2,026
Waxes	0	52	23	-4	0	0	0	0	2	69	127
Petroleum Coke	0	3,545	0	-45	0	0	0	0	446	3,054	1,409
Asphalt and Road Oil	0	2,956	3	1,096	0	-20	0	0	0	4,035	6,218
Still Gas	0	4,154	0	0	0	0	0	0	0	4,154	0
Miscellaneous Products	4	390	7	-31	0	-9	0	0	(s)	361	404
Total	**33,384**	**98,262**	**20,889**	**-665**	**-622**	**76,990**	**0**	**94,339**	**1,819**	**132,080**	**240,471**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 5. PAD District II--Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**24,766**	**0**	**15,782**	**541**	**714**	**50,289**	**0**	**92,010**	**82**	**0**	**71,576**
Natural Gas Liquids and LRGs	**9,681**	**2,645**	**2,863**	**5,450**	**0**	**1,526**	**0**	**5,828**	**525**	**15,812**	**31,985**
Liquefied Petroleum Gases	8,224	2,645	2,822	5,292	0	1,050	0	4,421	461	15,151	29,610
Pentanes Plus	1,457	0	41	158	0	476	0	1,407	64	661	2,375
Other Liquids	**419**	**0**	**0**	**1,906**	**0**	**-150**	**0**	**4,711**	**0**	**-2,536**	**22,673**
Other Hydrocarbons and Alcohol	419	0	0	30	0	0	0	449	0	0	93
Unfinished Oils	0	0	0	2,302	0	-69	0	3,152	0	-919	15,154
Motor Gasoline Blending Components	0	0	0	-392	0	-81	0	1,144	0	-1,617	7,273
Aviation Gasoline Blending Components	0	0	0	-34	0	0	0	-34	0	0	153
Finished Petroleum Products	**6**	**104,564**	**1,001**	**-4,694**	**0**	**21,341**	**0**	**0**	**795**	**121,423**	**111,034**
Finished Motor Gasoline	0	57,239	80	-1,095	0	12,804	0	0	6	69,022	52,544
Finished Leaded Motor Gasoline	0	8,548	3	-657	0	2,642	0	0	(s)	10,536	13,212
Finished Unleaded Motor Gasoline	0	48,691	77	-438	0	10,162	0	0	5	58,487	39,332
Finished Aviation Gasoline	0	68	0	2	0	99	0	0	0	169	477
Naphtha-Type Jet Fuel	0	654	84	-55	0	41	0	0	0	724	885
Kerosene-Type Jet Fuel	0	5,354	300	327	0	2,915	0	0	1	8,895	7,569
Kerosene	0	1,264	0	77	0	-92	0	0	3	1,246	1,932
Distillate Fuel Oil	0	22,717	242	-2,072	0	5,491	0	0	29	26,349	31,305
Residual Fuel Oil	0	3,349	160	-158	0	-309	0	0	0	3,042	3,542
Petrochemical Feedstocks[2]	0	1,264	14	43	0	32	0	0	55	1,298	273
Special Naphthas	0	409	84	-93	0	162	0	0	11	551	653
Lubricants	0	732	15	-182	0	307	0	0	47	825	2,208
Waxes	0	56	18	12	0	0	0	0	31	55	115
Petroleum Coke	0	3,790	0	-77	0	0	0	0	540	3,173	1,486
Asphalt and Road Oil	0	2,669	0	-1,401	0	-100	0	0	71	1,097	7,619
Still Gas	0	4,518	0	0	0	0	0	0	0	4,518	0
Miscellaneous Products	6	481	4	-22	0	-9	0	0	(s)	460	426
Total	**34,872**	**107,209**	**19,646**	**3,203**	**714**	**73,006**	**0**	**102,549**	**1,401**	**134,699**	**237,268**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, January 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**116,160**	**0**	**88,662**	**-6,439**	**9,765**	**-24,082**	**0**	**184,066**	**0**	**0**	**704,657**
Natural Gas Liquids and LRGs	**33,177**	**8,121**	**706**	**9,665**	**0**	**-4,106**	**0**	**9,807**	**731**	**37,025**	**52,861**
Liquefied Petroleum Gases	27,747	8,121	705	8,977	0	-4,022	0	6,223	731	34,574	49,565
Pentanes Plus	5,430	0	1	688	0	-84	0	3,584	0	2,451	3,296
Other Liquids	**901**	**0**	**7,705**	**-1,588**	**0**	**-362**	**0**	**11,669**	**0**	**-5,013**	**59,383**
Other Hydrocarbons and Alcohol	901	0	0	-1	0	0	0	900	0	0	194
Unfinished Oils	0	0	7,685	-262	0	-281	0	10,441	0	-3,299	42,872
Motor Gasoline Blending Components	0	0	20	-1,344	0	-81	0	309	0	-1,714	16,267
Aviation Gasoline Blending Components	0	0	0	19	0	0	0	19	0	0	50
Finished Petroleum Products	**115**	**207,333**	**4,362**	**-3,205**	**0**	**-107,954**	**0**	**0**	**9,800**	**90,850**	**138,720**
Finished Motor Gasoline	10	94,421	0	-1,680	0	-58,516	0	0	185	34,050	52,646
Finished Leaded Motor Gasoline	9	18,009	0	-482	0	-10,063	0	0	107	7,366	13,258
Finished Unleaded Motor Gasoline	1	76,412	0	-1,198	0	-48,453	0	0	78	26,684	39,388
Finished Aviation Gasoline	0	376	0	-5	0	-210	0	0	0	161	661
Naphtha-Type Jet Fuel	0	2,829	0	446	0	-670	0	0	11	2,594	2,387
Kerosene-Type Jet Fuel	0	19,155	104	1,150	0	-16,039	0	0	1,932	2,438	13,569
Kerosene	0	1,876	488	-81	0	-1,017	0	0	(s)	1,266	2,133
Distillate Fuel Oil	44	45,721	2	-164	0	-29,061	0	0	1,143	15,399	31,681
Residual Fuel Oil	0	10,242	402	-1,956	0	-575	0	0	1,334	6,779	14,508
Petrochemical Feedstocks[2]	0	8,447	3,151	279	0	6	0	0	664	11,219	2,556
Special Naphthas	0	1,200	160	-33	0	-327	0	0	44	956	1,568
Lubricants	0	3,001	2	-265	0	-1,026	0	0	246	1,466	6,775
Waxes	0	282	0	-34	0	-7	0	0	23	218	463
Petroleum Coke	0	7,750	20	-231	0	0	0	0	4,218	3,321	3,648
Asphalt and Road Oil	0	1,958	33	-470	0	-489	0	0	(s)	1,032	4,265
Still Gas	0	8,899	0	0	0	0	0	0	0	8,899	0
Miscellaneous Products	61	1,176	0	-161	0	-23	0	0	(s)	1,053	1,860
Total	**150,353**	**215,454**	**101,435**	**-1,567**	**9,765**	**-136,504**	**0**	**205,542**	**10,531**	**122,863**	**955,621**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**108,759**	**0**	**77,811**	**-6,770**	**718**	**-14,397**	**2**	**166,119**	**0**	**0**	**711,427**
Natural Gas Liquids and LRGs	**31,093**	**7,644**	**1,175**	**4,756**	**0**	**-3,723**	**0**	**9,159**	**707**	**31,079**	**48,105**
Liquefied Petroleum Gases	26,017	7,644	961	5,197	0	-3,513	0	5,503	707	30,096	44,368
Pentanes Plus	5,076	0	214	-441	0	-210	0	3,656	0	983	3,737
Other Liquids	**675**	**0**	**5,564**	**-1,848**	**0**	**-242**	**0**	**7,650**	**0**	**-3,501**	**61,231**
Other Hydrocarbons and Alcohol	675	0	0	-3	0	0	0	672	0	0	197
Unfinished Oils	0	0	5,546	-3,619	0	-195	0	5,158	0	-3,426	46,491
Motor Gasoline Blending Components	0	0	18	1,774	0	-47	0	1,820	0	-75	14,493
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	50
Finished Petroleum Products	**105**	**184,234**	**5,835**	**11,558**	**0**	**-101,360**	**0**	**0**	**8,303**	**92,069**	**127,162**
Finished Motor Gasoline	9	86,916	39	2,437	0	-54,855	0	0	243	34,303	50,209
Finished Leaded Motor Gasoline	8	17,427	39	804	0	-9,311	0	0	143	8,824	12,454
Finished Unleaded Motor Gasoline	1	69,489	0	1,633	0	-45,544	0	0	101	25,478	37,755
Finished Aviation Gasoline	0	325	0	17	0	-162	0	0	0	180	644
Naphtha-Type Jet Fuel	0	2,427	0	404	0	-478	0	0	1	2,352	1,983
Kerosene-Type Jet Fuel	0	17,825	111	307	0	-13,341	0	0	688	4,214	13,262
Kerosene	0	1,933	228	111	0	-1,143	0	0	0	1,129	2,022
Distillate Fuel Oil	41	35,715	0	8,533	0	-28,814	0	0	1,312	14,163	23,148
Residual Fuel Oil	0	9,348	227	51	0	-570	0	0	1,414	7,642	14,457
Petrochemical Feedstocks[2]	0	6,814	5,106	-334	0	-1	0	0	41	11,544	2,890
Special Naphthas	0	1,101	0	22	0	-432	0	0	87	604	1,546
Lubricants	0	2,800	21	276	0	-1,259	0	0	348	1,490	6,499
Waxes	0	262	2	-6	0	-9	0	0	15	234	469
Petroleum Coke	0	7,293	95	204	0	0	0	0	4,153	3,439	3,444
Asphalt and Road Oil	0	2,325	6	-540	0	-237	0	0	(s)	1,554	4,805
Still Gas	0	8,111	0	0	0	0	0	0	0	8,111	0
Miscellaneous Products	55	1,039	0	76	0	-59	0	0	(s)	1,111	1,784
Total	**140,632**	**191,878**	**90,385**	**7,696**	**718**	**-119,722**	**2**	**182,928**	**9,010**	**119,648**	**947,925**

[1] Unaccounted for crude oil is a balancing item.
[2] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, March 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**116,190**	**0**	**90,091**	**-5,261**	**553**	**-16,235**	**1**	**185,337**	**0**	**0**	**716,688**
Natural Gas Liquids and LRGs	**33,502**	**8,581**	**623**	**-137**	**0**	**-2,557**	**0**	**8,253**	**367**	**31,392**	**48,242**
Liquefied Petroleum Gases	27,980	8,581	620	735	0	-2,339	0	4,484	367	30,726	43,633
Pentanes Plus	5,522	0	3	-872	0	-218	0	3,769	0	666	4,609
Other Liquids	**945**	**0**	**6,433**	**-2,674**	**0**	**-506**	**0**	**6,166**	**0**	**-1,968**	**63,905**
Other Hydrocarbons and Alcohol	945	0	0	-30	0	0	0	915	0	0	227
Unfinished Oils	0	0	6,416	-2,747	0	-468	0	4,712	0	-1,511	49,238
Motor Gasoline Blending Components	0	0	17	92	0	-38	0	528	0	-457	14,401
Aviation Gasoline Blending Components	0	0	0	11	0	0	0	11	0	0	39
Finished Petroleum Products	**105**	**199,997**	**5,326**	**4,111**	**0**	**-97,855**	**0**	**0**	**9,297**	**102,387**	**123,051**
Finished Motor Gasoline	10	91,293	477	3,627	0	-57,595	0	0	159	37,653	46,582
Finished Leaded Motor Gasoline	9	16,948	0	1,420	0	-9,632	0	0	120	8,625	11,034
Finished Unleaded Motor Gasoline	1	74,345	477	2,207	0	-47,963	0	0	39	29,028	35,548
Finished Aviation Gasoline	0	475	0	-85	0	-187	0	0	0	203	729
Naphtha-Type Jet Fuel	0	3,460	0	-342	0	-859	0	0	(s)	2,259	2,325
Kerosene-Type Jet Fuel	0	19,199	141	-1,042	0	-13,795	0	0	1,168	3,334	14,304
Kerosene	0	1,348	0	359	0	-574	0	0	5	1,128	1,663
Distillate Fuel Oil	43	38,787	0	1,391	0	-22,885	0	0	1,356	15,980	21,757
Residual Fuel Oil	0	10,375	769	238	0	-391	0	0	2,036	8,955	14,219
Petrochemical Feedstocks[2]	0	9,166	3,605	155	0	-36	0	0	373	12,517	2,735
Special Naphthas	0	1,144	155	43	0	-310	0	0	83	949	1,503
Lubricants	0	3,424	44	-131	0	-997	0	0	323	2,017	6,630
Waxes	0	286	2	49	0	-3	0	0	28	306	420
Petroleum Coke	0	7,601	30	340	0	0	0	0	3,760	4,211	3,104
Asphalt and Road Oil	0	3,000	100	-484	0	-201	0	0	5	2,410	5,289
Still Gas	0	9,116	0	0	0	0	0	0	0	9,116	0
Miscellaneous Products	52	1,323	3	-7	0	-22	0	0	(s)	1,349	1,791
Total	**150,742**	**208,578**	**102,473**	**-3,961**	**553**	**-117,153**	**1**	**199,756**	**9,664**	**131,811**	**951,886**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**111,459**	**0**	**99,328**	**-3,204**	**-2,209**	**-23,143**	**2**	**182,229**	**0**	**0**	**719,892**
Natural Gas Liquids and LRGs	**32,071**	**8,372**	**2,260**	**-7,313**	**0**	**-763**	**0**	**7,875**	**556**	**26,197**	**55,555**
Liquefied Petroleum Gases	26,647	8,372	2,254	-7,117	0	-316	0	4,438	556	24,847	50,750
Pentanes Plus	5,424	0	6	-196	0	-447	0	3,437	0	1,350	4,805
Other Liquids	**750**	**0**	**9,008**	**-606**	**0**	**-89**	**0**	**9,882**	**0**	**-819**	**64,511**
Other Hydrocarbons and Alcohol	750	0	0	0	0	0	0	750	0	0	227
Unfinished Oils	0	0	8,977	-366	0	-160	0	9,340	0	-889	49,604
Motor Gasoline Blending Components	0	0	31	-240	0	71	0	-208	0	70	14,641
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	39
Finished Petroleum Products	**116**	**199,964**	**6,759**	**-3,695**	**0**	**-91,424**	**0**	**0**	**7,510**	**104,210**	**126,746**
Finished Motor Gasoline	9	94,027	713	-1,097	0	-53,754	0	0	434	39,464	47,679
Finished Leaded Motor Gasoline	8	17,867	0	-710	0	-9,337	0	0	280	7,548	11,744
Finished Unleaded Motor Gasoline	1	76,160	713	-387	0	-44,417	0	0	155	31,915	35,935
Finished Aviation Gasoline	0	346	0	157	0	-324	0	0	0	179	572
Naphtha-Type Jet Fuel	0	3,001	0	167	0	-564	0	0	(s)	2,604	2,158
Kerosene-Type Jet Fuel	0	15,903	190	950	0	-12,832	0	0	324	3,887	13,354
Kerosene	0	1,096	0	156	0	-245	0	0	1	1,006	1,507
Distillate Fuel Oil	53	39,969	0	-2,900	0	-20,636	0	0	357	16,129	24,657
Residual Fuel Oil	0	10,273	1,521	-980	0	-797	0	0	1,654	8,363	15,199
Petrochemical Feedstocks[2]	0	9,633	4,191	-375	0	-46	0	0	371	13,032	3,110
Special Naphthas	0	1,336	51	-54	0	-445	0	0	74	814	1,557
Lubricants	0	3,247	26	-119	0	-1,062	0	0	417	1,675	6,749
Waxes	0	335	2	-47	0	-11	0	0	29	250	467
Petroleum Coke	0	7,073	0	260	0	0	0	0	3,848	3,485	2,844
Asphalt and Road Oil	0	3,433	65	196	0	-655	0	0	(s)	3,039	5,093
Still Gas	0	9,116	0	0	0	0	0	0	0	9,116	0
Miscellaneous Products	54	1,176	0	-9	0	-53	0	0	(s)	1,168	1,800
Total	**144,396**	**208,336**	**117,356**	**-14,818**	**-2,209**	**-115,419**	**2**	**199,986**	**8,066**	**129,588**	**966,704**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III–Supply and Disposition of Crude Oil and Petroleum Products, May 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**114,210**	**0**	**102,875**	**-1,071**	**-1,350**	**-24,030**	**5**	**190,629**	**0**	**0**	**720,963**
Natural Gas Liquids and LRGs	**32,973**	**8,716**	**1,774**	**-6,858**	**0**	**553**	**0**	**8,354**	**395**	**28,409**	**62,413**
Liquefied Petroleum Gases	27,405	8,716	1,774	-6,424	0	749	0	4,602	395	27,223	57,174
Pentanes Plus	5,568	0	0	-434	0	-196	0	3,752	0	1,186	5,239
Other Liquids	**674**	**0**	**7,701**	**-4,872**	**0**	**-442**	**0**	**5,400**	**0**	**-2,339**	**69,383**
Other Hydrocarbons and Alcohol	674	0	0	82	0	0	0	756	0	0	145
Unfinished Oils	0	0	7,544	-4,248	0	-312	0	5,528	0	-2,544	53,852
Motor Gasoline Blending Components	0	0	157	-693	0	-130	0	-871	0	205	15,334
Aviation Gasoline Blending Components	0	0	0	-13	0	0	0	-13	0	0	52
Finished Petroleum Products	**110**	**205,552**	**5,897**	**-435**	**0**	**-97,447**	**0**	**0**	**9,682**	**103,995**	**127,181**
Finished Motor Gasoline	10	97,767	350	239	0	-59,983	0	0	821	37,562	47,440
Finished Leaded Motor Gasoline	9	17,886	0	831	0	-10,224	0	0	193	8,309	10,913
Finished Unleaded Motor Gasoline	1	79,881	350	-592	0	-49,759	0	0	629	29,252	36,527
Finished Aviation Gasoline	0	601	0	15	0	-337	0	0	0	279	557
Naphtha-Type Jet Fuel	0	3,140	0	32	0	-707	0	0	0	2,465	2,126
Kerosene-Type Jet Fuel	0	16,009	0	-61	0	-11,756	0	0	108	4,084	13,415
Kerosene	0	1,089	0	-49	0	127	0	0	0	1,167	1,556
Distillate Fuel Oil	44	41,072	311	-788	0	-21,114	0	0	1,174	18,351	25,445
Residual Fuel Oil	0	9,965	350	-178	0	-536	0	0	2,902	6,699	15,377
Petrochemical Feedstocks[2]	0	7,962	4,683	-133	0	25	0	0	323	12,214	3,243
Special Naphthas	0	1,197	86	-170	0	-427	0	0	45	641	1,727
Lubricants	0	3,428	51	40	0	-1,949	0	0	390	1,180	6,709
Waxes	0	287	0	30	0	-22	0	0	24	271	437
Petroleum Coke	0	7,568	54	330	0	0	0	0	3,895	4,057	2,514
Asphalt and Road Oil	0	4,170	10	258	0	-727	0	0	(s)	3,711	4,835
Still Gas	0	10,071	0	0	0	0	0	0	0	10,071	0
Miscellaneous Products	56	1,226	2	0	0	-41	0	0	1	1,242	1,800
Total	**147,967**	**214,268**	**118,247**	**-13,236**	**-1,350**	**-121,366**	**5**	**204,383**	**10,077**	**130,065**	**979,940**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**109,677**	**0**	**96,711**	**2,022**	**540**	**-27,802**	**1**	**181,147**	**0**	**0**	**718,941**
Natural Gas Liquids and LRGs	**32,086**	**8,253**	**1,088**	**-6,665**	**0**	**747**	**0**	**7,621**	**242**	**27,646**	**69,078**
Liquefied Petroleum Gases	26,582	8,253	1,088	-5,972	0	1,088	0	4,082	242	26,715	63,146
Pentanes Plus	5,504	0	0	-693	0	-341	0	3,539	0	931	5,932
Other Liquids	**852**	**0**	**9,486**	**-221**	**0**	**-117**	**0**	**9,632**	**0**	**368**	**69,604**
Other Hydrocarbons and Alcohol	852	0	0	-33	0	0	0	819	0	0	178
Unfinished Oils	0	0	9,042	-553	0	-162	0	9,434	0	-1,107	54,405
Motor Gasoline Blending Components	0	0	444	369	0	45	0	-617	0	1,475	14,965
Aviation Gasoline Blending Components	0	0	0	-4	0	0	0	-4	0	0	56
Finished Petroleum Products	**124**	**199,687**	**5,815**	**-208**	**0**	**-92,023**	**0**	**0**	**11,453**	**101,942**	**127,389**
Finished Motor Gasoline	10	94,186	99	832	0	-55,842	0	0	1,083	38,202	46,608
Finished Leaded Motor Gasoline	9	18,172	0	122	0	-9,718	0	0	263	8,322	10,791
Finished Unleaded Motor Gasoline	1	76,014	99	710	0	-46,124	0	0	820	29,880	35,817
Finished Aviation Gasoline	0	448	13	110	0	-350	0	0	0	221	447
Naphtha-Type Jet Fuel	0	3,091	0	39	0	-884	0	0	0	2,246	2,087
Kerosene-Type Jet Fuel	0	16,048	90	432	0	-11,608	0	0	416	4,546	12,983
Kerosene	0	1,205	0	-189	0	40	0	0	6	1,050	1,745
Distillate Fuel Oil	49	38,904	301	-1,903	0	-20,201	0	0	1,235	15,915	27,348
Residual Fuel Oil	0	10,122	877	1,225	0	-507	0	0	2,700	9,017	14,152
Petrochemical Feedstocks[2]	0	8,569	4,345	-4	0	-42	0	0	530	12,338	3,247
Special Naphthas	0	1,327	63	-128	0	-602	0	0	154	506	1,855
Lubricants	0	3,351	0	23	0	-1,228	0	0	458	1,688	6,686
Waxes	0	311	4	-21	0	-3	0	0	13	278	458
Petroleum Coke	0	7,343	0	-812	0	0	0	0	4,855	1,676	3,326
Asphalt and Road Oil	0	3,972	18	222	0	-771	0	0	2	3,439	4,613
Still Gas	0	9,496	0	0	0	0	0	0	0	9,496	0
Miscellaneous Products	65	1,314	5	-34	0	-25	0	0	1	1,324	1,834
Total	**142,739**	**207,940**	**113,100**	**-5,072**	**540**	**-119,195**	**1**	**198,400**	**11,695**	**129,956**	**985,012**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III—Supply and Disposition of Crude Oil and [illegible]
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**112,170**	**0**	**99,348**	**-1,729**	**6,853**	**-28,204**	**15**	**188,423**	**0**	**0**	**720,670**
Natural Gas Liquids and LRGs	**33,179**	**9,263**	**3,926**	**-5,802**	**0**	**-1,458**	**0**	**7,587**	**396**	**31,125**	**74,880**
Liquefied Petroleum Gases	27,328	9,263	3,924	-5,958	0	-837	0	3,947	396	29,377	69,104
Pentanes Plus	5,851	0	2	156	0	-621	0	3,640	0	1,748	5,776
Other Liquids	**935**	**0**	**8,331**	**2,160**	**0**	**-399**	**0**	**12,416**	**0**	**-1,389**	**67,444**
Other Hydrocarbons and Alcohol	935	0	0	40	0	0	0	975	0	0	138
Unfinished Oils	0	0	8,028	1,602	0	-333	0	11,174	0	-1,877	52,803
Motor Gasoline Blending Components	0	0	303	510	0	-66	0	259	0	488	14,455
Aviation Gasoline Blending Components	0	0	0	8	0	0	0	8	0	0	48
Finished Petroleum Products	**95**	**208,059**	**6,971**	**-3,498**	**0**	**-95,560**	**0**	**0**	**8,503**	**107,565**	**130,887**
Finished Motor Gasoline	10	100,564	988	-2,593	0	-59,586	0	0	272	39,111	49,201
Finished Leaded Motor Gasoline	9	18,549	0	-315	0	-9,823	0	0	196	8,224	11,106
Finished Unleaded Motor Gasoline	1	82,015	988	-2,278	0	-49,763	0	0	76	30,887	38,095
Finished Aviation Gasoline	0	646	0	-102	0	-273	0	0	0	271	549
Naphtha-Type Jet Fuel	0	2,961	0	-286	0	-626	0	0	0	2,049	2,373
Kerosene-Type Jet Fuel	0	16,950	90	-398	0	-12,468	0	0	20	4,154	13,381
Kerosene	0	1,606	0	-152	0	-112	0	0	1	1,341	1,897
Distillate Fuel Oil	42	39,388	299	-1,861	0	-19,955	0	0	724	17,189	29,209
Residual Fuel Oil	0	10,727	853	1,937	0	-425	0	0	2,483	10,609	12,215
Petrochemical Feedstocks[2]	0	8,467	4,471	49	0	-24	0	0	257	12,706	3,198
Special Naphthas	0	1,071	101	237	0	-295	0	0	122	992	1,618
Lubricants	0	3,018	40	-90	0	-1,254	0	0	365	1,349	6,776
Waxes	0	262	3	0	0	-5	0	0	16	244	458
Petroleum Coke	0	7,109	84	-115	0	0	0	0	4,241	2,837	3,441
Asphalt and Road Oil	0	4,498	17	-131	0	-478	0	0	1	3,905	4,744
Still Gas	0	9,749	0	0	0	0	0	0	0	9,749	0
Miscellaneous Products	43	1,043	25	7	0	-59	0	0	0	1,059	1,827
Total	**146,379**	**217,322**	**118,577**	**-8,869**	**6,853**	**-125,621**	**15**	**208,426**	**8,899**	**137,301**	**993,881**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**111,532**	**0**	**93,536**	**6,651**	**6,618**	**-27,862**	**1**	**190,474**	**0**	**0**	**714,019**
Natural Gas Liquids and LRGs	**33,288**	**9,671**	**3,855**	**-4,381**	**0**	**-1,280**	**0**	**8,620**	**531**	**32,002**	**79,261**
Liquefied Petroleum Gases	27,336	9,671	3,855	-4,232	0	-1,008	0	4,348	531	30,743	73,336
Pentanes Plus	5,952	0	0	-149	0	-272	0	4,272	0	1,259	5,925
Other Liquids	**1,041**	**0**	**6,761**	**-346**	**0**	**-112**	**0**	**7,679**	**0**	**-335**	**67,790**
Other Hydrocarbons and Alcohol	1,041	0	0	-24	0	0	0	1,017	0	0	162
Unfinished Oils	0	0	6,490	631	0	-154	0	7,251	0	-284	52,172
Motor Gasoline Blending Components	0	0	271	-945	0	42	0	-581	0	-51	15,400
Aviation Gasoline Blending Components	0	0	0	-8	0	0	0	-8	0	0	56
Finished Petroleum Products	**112**	**206,997**	**5,733**	**2,069**	**0**	**-101,705**	**0**	**0**	**8,053**	**105,153**	**128,818**
Finished Motor Gasoline	10	99,404	101	866	0	-61,201	0	0	436	38,744	48,335
Finished Leaded Motor Gasoline	9	16,384	0	650	0	-9,659	0	0	130	7,254	10,456
Finished Unleaded Motor Gasoline	1	83,020	101	216	0	-51,542	0	0	306	31,490	37,879
Finished Aviation Gasoline	0	543	0	-9	0	-395	0	0	0	139	558
Naphtha-Type Jet Fuel	0	2,722	0	-226	0	-491	0	0	20	1,985	2,599
Kerosene-Type Jet Fuel	0	17,107	374	-1,451	0	-12,578	0	0	24	3,428	14,832
Kerosene	0	1,898	0	-316	0	-255	0	0	(s)	1,327	2,213
Distillate Fuel Oil	41	39,639	0	741	0	-24,325	0	0	1,031	15,065	28,468
Residual Fuel Oil	0	9,358	1,450	1,337	0	137	0	0	1,785	10,497	10,878
Petrochemical Feedstocks[2]	0	8,863	3,525	-166	0	-62	0	0	413	11,747	3,364
Special Naphthas	0	1,309	153	184	0	-404	0	0	47	1,195	1,434
Lubricants	0	3,075	0	119	0	-1,221	0	0	465	1,508	6,657
Waxes	0	288	1	-14	0	0	0	0	44	231	472
Petroleum Coke	0	7,347	30	443	0	0	0	0	3,787	4,033	2,998
Asphalt and Road Oil	0	4,402	89	713	0	-852	0	0	(s)	4,352	4,031
Still Gas	0	9,780	0	0	0	0	0	0	0	9,780	0
Miscellaneous Products	61	1,262	10	-152	0	-58	0	0	(s)	1,123	1,979
Total	**145,973**	**216,668**	**109,885**	**3,993**	**6,618**	**-130,959**	**1**	**206,773**	**8,583**	**136,821**	**989,888**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III–Supply and Disposition of Crude Oil and Petroleum Products, September 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**102,858**	**0**	**96,788**	**2,241**	**-927**	**-26,413**	**0**	**174,547**	**0**	**0**	**711,778**
Natural Gas Liquids and LRGs	**31,983**	**9,036**	**1,794**	**1,102**	**0**	**-2,520**	**0**	**7,527**	**535**	**33,333**	**78,159**
Liquefied Petroleum Gases	26,368	9,036	1,792	1,322	0	-2,104	0	4,437	535	31,442	72,014
Pentanes Plus	5,615	0	2	-220	0	-416	0	3,090	0	1,891	6,145
Other Liquids	**982**	**0**	**5,626**	**2,061**	**0**	**-656**	**0**	**8,550**	**0**	**-537**	**65,729**
Other Hydrocarbons and Alcohol	982	0	0	42	0	0	0	1,024	0	0	120
Unfinished Oils	0	0	5,334	2,792	0	-551	0	8,756	0	-1,181	49,380
Motor Gasoline Blending Components	0	0	292	-755	0	-105	0	-1,212	0	644	16,155
Aviation Gasoline Blending Components	0	0	0	-18	0	0	0	-18	0	0	74
Finished Petroleum Products	**101**	**188,990**	**5,885**	**3,918**	**0**	**-92,619**	**0**	**0**	**7,347**	**98,928**	**124,900**
Finished Motor Gasoline	10	92,356	341	3,235	0	-55,920	0	0	424	39,598	45,100
Finished Leaded Motor Gasoline	9	14,484	0	1,119	0	-7,874	0	0	283	7,455	9,337
Finished Unleaded Motor Gasoline	1	77,872	341	2,116	0	-48,046	0	0	142	32,142	35,763
Finished Aviation Gasoline	0	459	12	-43	0	-184	0	0	0	244	601
Naphtha-Type Jet Fuel	0	2,533	0	347	0	-630	0	0	213	2,037	2,252
Kerosene-Type Jet Fuel	0	16,816	2	730	0	-13,037	0	0	153	4,358	14,102
Kerosene	0	1,396	227	99	0	-69	0	0	30	1,623	2,114
Distillate Fuel Oil	33	35,496	0	-427	0	-20,249	0	0	1,510	13,343	28,895
Residual Fuel Oil	0	8,444	1,253	-1,328	0	-263	0	0	584	7,522	12,206
Petrochemical Feedstocks[2]	0	6,753	3,953	673	0	-203	0	0	331	10,845	2,691
Special Naphthas	0	1,280	27	-145	0	-217	0	0	75	870	1,579
Lubricants	0	2,563	36	444	0	-1,381	0	0	492	1,170	6,213
Waxes	0	247	0	17	0	-2	0	0	52	210	455
Petroleum Coke	0	7,003	0	-174	0	0	0	0	3,482	3,347	3,172
Asphalt and Road Oil	0	3,557	27	314	0	-399	0	0	(s)	3,499	3,717
Still Gas	0	9,104	0	0	0	0	0	0	0	9,104	0
Miscellaneous Products	58	983	7	176	0	-65	0	0	(s)	1,159	1,803
Total	**135,924**	**198,026**	**110,093**	**9,322**	**-927**	**-122,208**	**0**	**190,624**	**7,882**	**131,724**	**980,566**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**111,198**	**0**	**107,739**	**-2,502**	**1,710**	**-29,298**	**1**	**188,846**	**0**	**0**	**714,280**
Natural Gas Liquids and LRGs	**33,969**	**9,411**	**2,551**	**136**	**0**	**-2,129**	**0**	**8,441**	**1,014**	**34,483**	**78,023**
Liquefied Petroleum Gases	28,420	9,411	2,547	-315	0	-1,577	0	5,096	1,014	32,376	72,329
Pentanes Plus	5,549	0	4	451	0	-552	0	3,345	0	2,107	5,694
Other Liquids	**1,002**	**0**	**6,469**	**-1,008**	**0**	**-713**	**0**	**5,784**	**0**	**-34**	**66,737**
Other Hydrocarbons and Alcohol	1,002	0	0	-56	0	0	0	946	0	0	176
Unfinished Oils	0	0	6,204	-1,018	0	-495	0	5,387	0	-696	50,398
Motor Gasoline Blending Components	0	0	265	120	0	-218	0	-496	0	663	16,035
Aviation Gasoline Blending Components	0	0	0	-54	0	0	0	-53	0	-1	128
Finished Petroleum Products	**119**	**202,823**	**5,437**	**-2,633**	**0**	**-97,465**	**0**	**0**	**6,104**	**102,177**	**127,533**
Finished Motor Gasoline	10	96,269	0	-2,289	0	-56,006	0	0	347	37,637	47,389
Finished Leaded Motor Gasoline	9	14,564	0	10	0	-6,964	0	0	104	7,515	9,327
Finished Unleaded Motor Gasoline	1	81,705	0	-2,299	0	-49,042	0	0	243	30,122	38,062
Finished Aviation Gasoline	0	555	0	-9	0	-401	0	0	0	145	610
Naphtha-Type Jet Fuel	0	2,842	0	81	0	-865	0	0	0	2,058	2,171
Kerosene-Type Jet Fuel	0	19,258	234	-374	0	-14,782	0	0	27	4,308	14,476
Kerosene	0	1,455	330	-218	0	-300	0	0	0	1,267	2,332
Distillate Fuel Oil	39	39,682	0	124	0	-22,348	0	0	546	16,951	28,771
Residual Fuel Oil	0	8,390	298	713	0	-25	0	0	951	8,425	11,493
Petrochemical Feedstocks[2]	0	7,996	4,369	214	0	-77	0	0	299	12,203	2,477
Special Naphthas	0	1,327	164	49	0	-451	0	0	84	1,005	1,530
Lubricants	0	3,109	0	-194	0	-1,198	0	0	224	1,493	6,407
Waxes	0	258	0	17	0	-6	0	0	26	243	438
Petroleum Coke	0	7,399	2	-828	0	0	0	0	3,598	2,975	4,000
Asphalt and Road Oil	0	3,532	33	101	0	-968	0	0	2	2,696	3,616
Still Gas	0	9,547	0	0	0	0	0	0	0	9,547	0
Miscellaneous Products	70	1,204	7	-20	0	-38	0	0	(s)	1,223	1,823
Total	**146,288**	**212,234**	**122,195**	**-6,007**	**1,710**	**-129,605**	**1**	**203,071**	**7,118**	**136,625**	**986,573**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III–Supply and Disposition of Crude Oil and Petroleum Products, November 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**108,138**	**0**	**97,032**	**-1,311**	**5,849**	**-29,177**	**0**	**180,531**	**0**	**0**	**715,591**
Natural Gas Liquids and LRGs	**33,100**	**8,498**	**1,427**	**4,922**	**0**	**-4,153**	**0**	**10,273**	**961**	**32,560**	**73,101**
Liquefied Petroleum Gases	27,734	8,498	1,339	4,113	0	-3,675	0	6,949	961	30,099	68,216
Pentanes Plus	5,366	0	88	809	0	-478	0	3,324	0	2,461	4,885
Other Liquids	**1,146**	**0**	**9,515**	**-2,676**	**0**	**-822**	**0**	**9,330**	**0**	**-2,167**	**69,413**
Other Hydrocarbons and Alcohol	1,146	0	0	-47	0	0	0	1,099	0	0	223
Unfinished Oils	0	0	8,911	-2,761	0	-651	0	7,730	0	-2,231	53,159
Motor Gasoline Blending Components	0	0	604	95	0	-171	0	464	0	64	15,940
Aviation Gasoline Blending Components	0	0	0	37	0	0	0	37	0	0	91
Finished Petroleum Products	**105**	**200,111**	**5,499**	**-2,518**	**0**	**-95,269**	**0**	**0**	**6,436**	**101,492**	**130,051**
Finished Motor Gasoline	10	95,796	110	-1,288	0	-54,094	0	0	231	40,303	48,677
Finished Leaded Motor Gasoline	9	14,723	0	-293	0	-6,414	0	0	175	7,850	9,620
Finished Unleaded Motor Gasoline	1	81,073	110	-995	0	-47,680	0	0	57	32,452	39,057
Finished Aviation Gasoline	0	351	0	38	0	-247	0	0	0	142	572
Naphtha-Type Jet Fuel	0	3,027	0	-171	0	-385	0	0	2	2,469	2,342
Kerosene-Type Jet Fuel	0	17,060	265	1,529	0	-15,512	0	0	54	3,288	12,947
Kerosene	0	1,869	269	306	0	-411	0	0	(s)	2,033	2,026
Distillate Fuel Oil	36	39,561	0	-1,108	0	-22,574	0	0	785	15,130	29,879
Residual Fuel Oil	0	8,896	453	-970	0	30	0	0	596	7,813	12,463
Petrochemical Feedstocks[2]	0	7,958	4,260	-490	0	-227	0	0	710	10,791	2,967
Special Naphthas	0	1,451	106	45	0	-437	0	0	103	1,062	1,485
Lubricants	0	3,029	0	-45	0	-1,060	0	0	235	1,689	6,452
Waxes	0	251	2	-34	0	0	0	0	29	190	472
Petroleum Coke	0	7,359	30	-86	0	0	0	0	3,688	3,615	4,086
Asphalt and Road Oil	0	3,098	4	-364	0	-338	0	0	2	2,398	3,980
Still Gas	0	9,160	0	0	0	0	0	0	0	9,160	0
Miscellaneous Products	59	1,245	0	120	0	-14	0	0	(s)	1,410	1,703
Total	**142,489**	**208,609**	**113,474**	**-1,583**	**5,849**	**-129,421**	**0**	**200,134**	**7,397**	**131,885**	**988,156**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 6. PAD District III--Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**110,800**	**0**	**99,436**	**4,180**	**963**	**-28,937**	**3**	**186,439**	**0**	**0**	**711,411**
Natural Gas Liquids and LRGs	**33,281**	**8,493**	**1,229**	**9,843**	**0**	**-4,166**	**0**	**10,765**	**1,706**	**36,209**	**63,258**
Liquefied Petroleum Gases	27,960	8,493	1,227	9,010	0	-3,840	0	7,463	1,706	33,681	59,206
Pentanes Plus	5,321	0	2	833	0	-326	0	3,302	0	2,528	4,052
Other Liquids	**986**	**0**	**3,819**	**6,403**	**0**	**-115**	**0**	**16,127**	**0**	**-5,034**	**63,010**
Other Hydrocarbons and Alcohol	986	0	0	-76	0	0	0	910	0	0	299
Unfinished Oils	0	0	3,555	5,610	0	-56	0	14,030	0	-4,921	47,549
Motor Gasoline Blending Components	0	0	264	863	0	-59	0	1,181	0	-113	15,077
Aviation Gasoline Blending Components	0	0	0	6	0	0	0	6	0	0	85
Finished Petroleum Products	**116**	**214,550**	**4,860**	**849**	**0**	**-107,066**	**0**	**0**	**10,402**	**102,907**	**129,202**
Finished Motor Gasoline	9	101,792	0	-1,305	0	-60,863	0	0	674	38,959	49,982
Finished Leaded Motor Gasoline	8	14,728	0	16	0	-7,338	0	0	111	7,303	9,604
Finished Unleaded Motor Gasoline	1	87,064	0	-1,321	0	-53,525	0	0	564	31,655	40,378
Finished Aviation Gasoline	0	472	14	-124	0	-230	0	0	0	132	696
Naphtha-Type Jet Fuel	0	2,697	0	409	0	-843	0	0	(s)	2,263	1,933
Kerosene-Type Jet Fuel	0	19,842	118	-197	0	-14,125	0	0	1,011	4,627	13,144
Kerosene	0	1,189	608	99	0	-892	0	0	1	1,003	1,927
Distillate Fuel Oil	37	43,109	0	1,711	0	-27,824	0	0	1,029	16,004	28,168
Residual Fuel Oil	0	11,697	101	25	0	-427	0	0	2,317	9,079	12,438
Petrochemical Feedstocks[2]	0	8,525	3,961	234	0	-31	0	0	417	12,272	2,733
Special Naphthas	0	1,462	46	-24	0	-461	0	0	237	786	1,509
Lubricants	0	2,973	0	-307	0	-1,068	0	0	326	1,272	6,759
Waxes	0	247	2	15	0	-1	0	0	14	249	457
Petroleum Coke	0	7,247	0	421	0	0	0	0	4,373	3,295	3,665
Asphalt and Road Oil	0	2,110	10	-172	0	-263	0	0	3	1,682	4,152
Still Gas	0	9,804	0	0	0	0	0	0	0	9,804	0
Miscellaneous Products	70	1,384	0	64	0	-38	0	0	(s)	1,480	1,639
Total	**145,183**	**223,043**	**109,344**	**21,275**	**963**	**-140,284**	**3**	**213,331**	**12,108**	**134,082**	**966,881**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, January 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,535**	**0**	**1,597**	**-483**	**1,250**	**-6,839**	**0**	**13,060**	**0**	**0**	**13,013**
Natural Gas Liquids and LRGs	**3,673**	**221**	**722**	**14**	**0**	**-1,415**	**0**	**759**	**47**	**2,409**	**1,074**
Liquefied Petroleum Gases	2,901	221	675	14	0	-1,237	0	650	47	1,877	920
Pentanes Plus	772	0	47	0	0	-178	0	109	0	532	154
Other Liquids	**22**	**0**	**0**	**-289**	**0**	**0**	**0**	**-319**	**0**	**52**	**4,349**
Other Hydrocarbons and Alcohol	22	0	0	5	0	0	0	27	0	0	9
Unfinished Oils	0	0	0	23	0	0	0	-144	0	167	2,299
Motor Gasoline Blending Components	0	0	0	-317	0	0	0	-202	0	-115	2,041
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**3**	**13,669**	**141**	**-1,009**	**0**	**-750**	**0**	**0**	**6**	**12,048**	**12,665**
Finished Motor Gasoline	0	6,971	40	-282	0	-560	0	0	(s)	6,169	5,337
Finished Leaded Motor Gasoline	0	2,709	2	-197	0	-452	0	0	(s)	2,062	2,391
Finished Unleaded Motor Gasoline	0	4,262	38	-85	0	-108	0	0	(s)	4,107	2,946
Finished Aviation Gasoline	0	17	0	-5	0	9	0	0	0	21	59
Naphtha-Type Jet Fuel	0	368	0	17	0	-240	0	0	0	145	413
Kerosene-Type Jet Fuel	0	902	0	-20	0	543	0	0	0	1,425	856
Kerosene	0	47	0	-16	0	0	0	0	0	31	108
Distillate Fuel Oil	0	3,341	101	-176	0	-502	0	0	0	2,764	3,274
Residual Fuel Oil	0	313	0	53	0	0	0	0	0	366	334
Petrochemical Feedstocks[2]	0	-1	0	3	0	0	0	0	1	1	30
Special Naphthas	0	2	0	-2	0	0	0	0	0	0	9
Lubricants	0	23	0	3	0	0	0	0	3	23	107
Waxes	0	6	0	14	0	0	0	0	0	20	73
Petroleum Coke	0	364	0	-19	0	0	0	0	(s)	345	50
Asphalt and Road Oil	0	658	0	-576	0	0	0	0	1	81	1,991
Still Gas	0	606	0	0	0	0	0	0	0	606	0
Miscellaneous Products	3	52	0	-3	0	0	0	0	0	52	24
Total	**21,233**	**13,890**	**2,460**	**-1,767**	**1,250**	**-9,004**	**0**	**13,500**	**53**	**14,509**	**31,101**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,566**	**0**	**1,687**	**-324**	**1,627**	**-7,228**	**0**	**12,328**	**0**	**0**	**13,337**
Natural Gas Liquids and LRGs	**3,576**	**229**	**579**	**-28**	**0**	**-1,680**	**0**	**632**	**51**	**1,994**	**1,102**
Liquefied Petroleum Gases	2,796	229	504	-25	0	-1,442	0	538	51	1,474	945
Pentanes Plus	780	0	75	-3	0	-238	0	94	0	520	157
Other Liquids	**26**	**0**	**0**	**-484**	**0**	**0**	**0**	**-605**	**0**	**147**	**4,833**
Other Hydrocarbons and Alcohol	26	0	0	2	0	0	0	28	0	0	7
Unfinished Oils	0	0	0	-86	0	0	0	-362	0	276	2,385
Motor Gasoline Blending Components	0	0	0	-400	0	0	0	-271	0	-129	2,441
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**12,526**	**144**	**-528**	**0**	**-514**	**0**	**0**	**5**	**11,625**	**13,193**
Finished Motor Gasoline	0	6,442	39	-104	0	-423	0	0	0	5,954	5,441
Finished Leaded Motor Gasoline	0	2,224	0	39	0	-262	0	0	0	2,001	2,352
Finished Unleaded Motor Gasoline	0	4,218	39	-143	0	-161	0	0	0	3,953	3,089
Finished Aviation Gasoline	0	27	0	-10	0	9	0	0	0	26	69
Naphtha-Type Jet Fuel	0	333	0	13	0	-145	0	0	(s)	201	400
Kerosene-Type Jet Fuel	0	786	0	3	0	484	0	0	0	1,273	853
Kerosene	0	16	0	3	0	0	0	0	0	19	105
Distillate Fuel Oil	0	3,026	103	102	0	-439	0	0	0	2,792	3,172
Residual Fuel Oil	0	327	0	-28	0	0	0	0	0	299	362
Petrochemical Feedstocks[2]	0	-6	0	6	0	0	0	0	(s)	(s)	24
Special Naphthas	0	-1	0	1	0	0	0	0	0	0	8
Lubricants	0	26	0	11	0	0	0	0	4	33	96
Waxes	0	49	2	-18	0	0	0	0	0	33	91
Petroleum Coke	0	299	0	19	0	0	0	0	0	318	31
Asphalt and Road Oil	0	608	0	-523	0	0	0	0	1	84	2,514
Still Gas	0	550	0	0	0	0	0	0	0	550	0
Miscellaneous Products	2	44	0	-3	0	0	0	0	0	43	27
Total	**20,170**	**12,755**	**2,410**	**-1,364**	**1,627**	**-9,422**	**0**	**12,355**	**56**	**13,766**	**32,465**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV—Supply and Disposition of Crude Oil and Petroleum Products, 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,582**	**0**	**1,724**	**-462**	**2,527**	**-8,788**	**0**	**12,583**	**0**	**0**	**13,799**
Natural Gas Liquids and LRGs	**3,842**	**210**	**449**	**-3**	**0**	**-1,805**	**0**	**740**	**38**	**1,915**	**1,105**
Liquefied Petroleum Gases	3,024	210	418	22	0	-1,584	0	592	38	1,460	923
Pentanes Plus	818	0	31	-25	0	-221	0	148	0	455	182
Other Liquids	**6**	**0**	**0**	**740**	**0**	**0**	**0**	**589**	**0**	**157**	**4,093**
Other Hydrocarbons and Alcohol	6	0	0	-1	0	0	0	5	0	0	8
Unfinished Oils	0	0	0	561	0	0	0	372	0	189	1,824
Motor Gasoline Blending Components	0	0	0	180	0	0	0	212	0	-32	2,261
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**13,955**	**207**	**715**	**0**	**-402**	**0**	**0**	**6**	**14,471**	**12,478**
Finished Motor Gasoline	0	7,401	38	109	0	-453	0	0	(s)	7,095	5,332
Finished Leaded Motor Gasoline	0	2,698	1	23	0	-384	0	0	(s)	2,338	2,329
Finished Unleaded Motor Gasoline	0	4,703	37	86	0	-69	0	0	0	4,757	3,003
Finished Aviation Gasoline	0	19	0	4	0	9	0	0	0	32	65
Naphtha-Type Jet Fuel	0	305	0	42	0	-122	0	0	(s)	225	358
Kerosene-Type Jet Fuel	0	696	0	-22	0	479	0	0	0	1,153	875
Kerosene	0	-41	0	48	0	0	0	0	1	6	57
Distillate Fuel Oil	0	3,540	167	905	0	-315	0	0	0	4,297	2,267
Residual Fuel Oil	0	324	0	1	0	0	0	0	0	325	361
Petrochemical Feedstocks[2]	0	16	0	-15	0	0	0	0	(s)	1	39
Special Naphthas	0	-1	1	1	0	0	0	0	1	(s)	7
Lubricants	0	-6	0	22	0	0	0	0	3	13	74
Waxes	0	19	1	21	0	0	0	0	(s)	41	70
Petroleum Coke	0	348	0	-8	0	0	0	0	0	340	39
Asphalt and Road Oil	0	702	0	-390	0	0	0	0	1	311	2,904
Still Gas	0	583	0	0	0	0	0	0	0	583	0
Miscellaneous Products	2	50	0	-3	0	0	0	0	0	49	30
Total	**21,432**	**14,165**	**2,380**	**990**	**2,527**	**-10,995**	**0**	**13,912**	**45**	**16,542**	**31,475**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,246**	**0**	**1,781**	**36**	**1,802**	**-7,951**	**0**	**12,914**	**0**	**0**	**13,763**
Natural Gas Liquids and LRGs	**3,646**	**299**	**288**	**12**	**0**	**-1,839**	**0**	**468**	**35**	**1,903**	**1,093**
Liquefied Petroleum Gases	2,882	299	288	-27	0	-1,628	0	408	35	1,371	950
Pentanes Plus	764	0	0	39	0	-211	0	60	0	532	143
Other Liquids	**7**	**0**	**0**	**-117**	**0**	**0**	**0**	**-190**	**0**	**80**	**4,210**
Other Hydrocarbons and Alcohol	7	0	0	-1	0	0	0	6	0	0	9
Unfinished Oils	0	0	0	-365	0	0	0	-492	0	127	2,189
Motor Gasoline Blending Components	0	0	0	249	0	0	0	296	0	-47	2,012
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**2**	**13,312**	**216**	**-23**	**0**	**-449**	**0**	**0**	**6**	**13,052**	**12,501**
Finished Motor Gasoline	0	6,771	65	259	0	-546	0	0	0	6,549	5,073
Finished Leaded Motor Gasoline	0	2,492	5	171	0	-448	0	0	0	2,220	2,158
Finished Unleaded Motor Gasoline	0	4,279	60	88	0	-98	0	0	0	4,329	2,915
Finished Aviation Gasoline	0	18	0	1	0	22	0	0	0	41	64
Naphtha-Type Jet Fuel	0	392	0	-56	0	-140	0	0	0	196	414
Kerosene-Type Jet Fuel	0	607	0	84	0	494	0	0	0	1,185	791
Kerosene	0	-12	0	16	0	0	0	0	0	4	41
Distillate Fuel Oil	0	3,587	150	-164	0	-279	0	0	0	3,294	2,431
Residual Fuel Oil	0	336	0	-6	0	0	0	0	0	330	367
Petrochemical Feedstocks[2]	0	-16	0	16	0	0	0	0	1	-1	23
Special Naphthas	0	0	0	0	0	0	0	0	0	0	7
Lubricants	0	27	0	-5	0	0	0	0	5	17	79
Waxes	0	52	0	-16	0	0	0	0	(s)	36	86
Petroleum Coke	0	325	0	-21	0	0	0	0	0	304	60
Asphalt and Road Oil	0	637	1	-127	0	0	0	0	1	510	3,031
Still Gas	0	547	0	0	0	0	0	0	0	547	0
Miscellaneous Products	2	41	0	-4	0	0	0	0	0	39	34
Total	**20,901**	**13,611**	**2,285**	**-92**	**1,802**	**-10,239**	**0**	**13,192**	**41**	**15,035**	**31,567**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,653**	**0**	**2,096**	**429**	**2,089**	**-7,292**	**0**	**14,975**	**0**	**0**	**13,334**
Natural Gas Liquids and LRGs	**3,886**	**321**	**352**	**16**	**0**	**-2,000**	**0**	**469**	**31**	**2,075**	**1,077**
Liquefied Petroleum Gases	3,077	321	352	38	0	-1,815	0	386	31	1,556	912
Pentanes Plus	809	0	0	-22	0	-185	0	83	0	519	165
Other Liquids	**5**	**0**	**0**	**-179**	**0**	**0**	**0**	**-450**	**0**	**276**	**4,389**
Other Hydrocarbons and Alcohol	5	0	0	0	0	0	0	5	0	0	9
Unfinished Oils	0	0	0	-196	0	0	0	-482	0	286	2,385
Motor Gasoline Blending Components	0	0	0	17	0	0	0	27	0	-10	1,995
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**14,979**	**166**	**-380**	**0**	**-688**	**0**	**0**	**6**	**14,075**	**12,881**
Finished Motor Gasoline	0	7,329	45	267	0	-570	0	0	0	7,071	4,806
Finished Leaded Motor Gasoline	0	2,743	2	4	0	-402	0	0	0	2,347	2,154
Finished Unleaded Motor Gasoline	0	4,586	43	263	0	-168	0	0	0	4,724	2,652
Finished Aviation Gasoline	0	19	0	7	0	18	0	0	0	44	57
Naphtha-Type Jet Fuel	0	432	0	48	0	-199	0	0	(s)	281	366
Kerosene-Type Jet Fuel	0	633	0	34	0	484	0	0	0	1,151	757
Kerosene	0	37	0	-35	0	0	0	0	0	2	76
Distillate Fuel Oil	0	4,024	114	-487	0	-421	0	0	(s)	3,230	2,918
Residual Fuel Oil	0	417	0	-121	0	0	0	0	0	296	488
Petrochemical Feedstocks[2]	0	4	0	-3	0	0	0	0	2	-1	26
Special Naphthas	0	-2	0	0	0	0	0	0	0	-2	7
Lubricants	0	52	0	-15	0	0	0	0	3	34	94
Waxes	0	46	1	-1	0	0	0	0	0	46	87
Petroleum Coke	0	297	0	43	0	0	0	0	0	340	17
Asphalt and Road Oil	0	1,036	6	-109	0	0	0	0	(s)	933	3,140
Still Gas	0	598	0	0	0	0	0	0	0	598	0
Miscellaneous Products	4	57	0	-8	0	0	0	0	0	53	42
Total	**21,548**	**15,300**	**2,614**	**-114**	**2,089**	**-9,980**	**0**	**14,994**	**37**	**16,425**	**31,681**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,890**	**0**	**2,116**	**28**	**3,348**	**-7,555**	**0**	**14,827**	**0**	**0**	**13,306**
Natural Gas Liquids and LRGs	**3,707**	**355**	**228**	**23**	**0**	**-2,152**	**0**	**478**	**40**	**1,642**	**1,054**
Liquefied Petroleum Gases	2,963	355	228	-1	0	-1,930	0	415	40	1,159	913
Pentanes Plus	744	0	0	24	0	-222	0	63	0	483	141
Other Liquids	**2**	**0**	**0**	**569**	**0**	**0**	**0**	**484**	**0**	**87**	**3,820**
Other Hydrocarbons and Alcohol	2	0	0	0	0	0	0	2	0	0	9
Unfinished Oils	0	0	0	193	0	0	0	84	0	109	2,192
Motor Gasoline Blending Components	0	0	0	376	0	0	0	398	0	-22	1,619
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**15,779**	**151**	**117**	**0**	**-385**	**0**	**0**	**9**	**15,657**	**12,764**
Finished Motor Gasoline	0	7,912	50	209	0	-500	0	0	0	7,671	4,597
Finished Leaded Motor Gasoline	0	2,859	2	210	0	-433	0	0	0	2,638	1,944
Finished Unleaded Motor Gasoline	0	5,053	48	-1	0	-67	0	0	0	5,033	2,653
Finished Aviation Gasoline	0	30	0	-5	0	18	0	0	0	43	62
Naphtha-Type Jet Fuel	0	416	0	40	0	-135	0	0	0	321	326
Kerosene-Type Jet Fuel	0	766	0	20	0	468	0	0	0	1,254	737
Kerosene	0	-1	0	1	0	0	0	0	0	0	75
Distillate Fuel Oil	0	3,945	94	-289	0	-236	0	0	0	3,514	3,207
Residual Fuel Oil	0	286	0	-1	0	0	0	0	0	285	489
Petrochemical Feedstocks[2]	0	9	0	7	0	0	0	0	1	15	19
Special Naphthas	0	-1	0	2	0	0	0	0	(s)	1	5
Lubricants	0	36	0	-7	0	0	0	0	5	24	101
Waxes	0	27	1	14	0	0	0	0	0	42	73
Petroleum Coke	0	311	0	4	0	0	0	0	1	314	13
Asphalt and Road Oil	0	1,284	6	129	0	0	0	0	1	1,418	3,011
Still Gas	0	690	0	0	0	0	0	0	0	690	0
Miscellaneous Products	4	69	0	-7	0	0	0	0	0	66	49
Total	**20,603**	**16,134**	**2,495**	**737**	**3,348**	**-10,092**	**0**	**15,789**	**49**	**17,387**	**30,944**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**17,171**	**0**	**2,108**	**341**	**1,313**	**-5,804**	**0**	**15,129**	**0**	**0**	**12,965**
Natural Gas Liquids and LRGs	**3,734**	**416**	**240**	**-99**	**0**	**-1,968**	**0**	**493**	**21**	**1,809**	**1,153**
Liquefied Petroleum Gases	2,978	416	240	-99	0	-1,764	0	430	21	1,320	1,012
Pentanes Plus	756	0	0	0	0	-204	0	63	0	489	141
Other Liquids	**16**	**0**	**0**	**53**	**0**	**0**	**0**	**-8**	**0**	**77**	**3,767**
Other Hydrocarbons and Alcohol	16	0	0	-9	0	0	0	7	0	0	18
Unfinished Oils	0	0	0	79	0	0	0	-86	0	165	2,113
Motor Gasoline Blending Components	0	0	0	-17	0	0	0	71	0	-88	1,636
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**15,543**	**188**	**759**	**0**	**-470**	**0**	**0**	**4**	**16,020**	**12,005**
Finished Motor Gasoline	0	7,769	76	561	0	-377	0	0	0	8,029	4,036
Finished Leaded Motor Gasoline	0	2,914	7	228	0	-381	0	0	0	2,768	1,716
Finished Unleaded Motor Gasoline	0	4,855	69	333	0	4	0	0	0	5,261	2,320
Finished Aviation Gasoline	0	29	0	14	0	18	0	0	0	61	48
Naphtha-Type Jet Fuel	0	447	0	-34	0	-127	0	0	0	286	360
Kerosene-Type Jet Fuel	0	865	0	-52	0	388	0	0	(s)	1,201	789
Kerosene	0	-27	0	28	0	0	0	0	0	1	47
Distillate Fuel Oil	0	3,716	104	45	0	-372	0	0	0	3,493	3,162
Residual Fuel Oil	0	284	0	7	0	0	0	0	0	291	482
Petrochemical Feedstocks[2]	0	22	0	-7	0	0	0	0	2	13	26
Special Naphthas	0	0	0	-1	0	0	0	0	0	-1	6
Lubricants	0	36	0	1	0	0	0	0	1	36	100
Waxes	0	89	0	-54	0	0	0	0	(s)	35	127
Petroleum Coke	0	360	0	-4	0	0	0	0	(s)	356	17
Asphalt and Road Oil	0	1,238	8	266	0	0	0	0	1	1,511	2,745
Still Gas	0	644	0	0	0	0	0	0	0	644	0
Miscellaneous Products	4	71	0	-11	0	0	0	0	0	64	60
Total	**20,925**	**15,959**	**2,536**	**1,054**	**1,313**	**-8,242**	**0**	**15,614**	**25**	**17,906**	**29,890**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV–Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,880**	**0**	**2,121**	**1,067**	**1,647**	**–6,269**	**0**	**15,446**	**0**	**0**	**11,898**
Natural Gas Liquids and LRGs	**3,677**	**383**	**306**	**–25**	**0**	**–1,945**	**0**	**557**	**21**	**1,817**	**1,178**
Liquefied Petroleum Gases	2,956	383	252	–32	0	–1,765	0	452	21	1,320	1,044
Pentanes Plus	721	0	54	7	0	–180	0	105	0	497	134
Other Liquids	**26**	**0**	**0**	**218**	**0**	**0**	**0**	**60**	**0**	**184**	**3,549**
Other Hydrocarbons and Alcohol	26	0	0	–10	0	0	0	16	0	0	28
Unfinished Oils	0	0	0	205	0	0	0	–77	0	282	1,908
Motor Gasoline Blending Components	0	0	0	23	0	0	0	121	0	–98	1,613
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**16,027**	**184**	**641**	**0**	**–71**	**0**	**0**	**8**	**16,777**	**11,364**
Finished Motor Gasoline	0	8,128	72	–198	0	–76	0	0	0	7,926	4,234
Finished Leaded Motor Gasoline	0	3,058	9	–188	0	–330	0	0	0	2,549	1,904
Finished Unleaded Motor Gasoline	0	5,070	63	–10	0	254	0	0	0	5,377	2,330
Finished Aviation Gasoline	0	54	0	3	0	26	0	0	0	83	45
Naphtha-Type Jet Fuel	0	471	0	–9	0	–117	0	0	0	345	369
Kerosene-Type Jet Fuel	0	887	0	–23	0	549	0	0	0	1,413	812
Kerosene	0	–12	0	13	0	0	0	0	0	1	34
Distillate Fuel Oil	0	3,864	109	173	0	–453	0	0	(s)	3,693	2,989
Residual Fuel Oil	0	318	1	–42	0	0	0	0	0	277	524
Petrochemical Feedstocks[2]	0	–7	0	14	0	0	0	0	(s)	7	12
Special Naphthas	0	–2	0	–2	0	0	0	0	0	–4	8
Lubricants	0	29	0	0	0	0	0	0	6	23	100
Waxes	0	–12	2	35	0	0	0	0	0	25	92
Petroleum Coke	0	364	0	–5	0	0	0	0	(s)	359	22
Asphalt and Road Oil	0	1,201	0	678	0	0	0	0	1	1,878	2,067
Still Gas	0	672	0	0	0	0	0	0	0	672	0
Miscellaneous Products	4	72	0	4	0	0	0	0	0	80	56
Total	**20,587**	**16,410**	**2,611**	**1,901**	**1,647**	**–8,285**	**0**	**16,063**	**30**	**18,778**	**27,989**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,250**	**0**	**2,213**	**142**	**2,106**	**-6,607**	**0**	**14,104**	**0**	**0**	**11,756**
Natural Gas Liquids and LRGs	**3,727**	**346**	**290**	**-122**	**0**	**-2,101**	**0**	**538**	**21**	**1,580**	**1,300**
Liquefied Petroleum Gases	3,047	346	290	-122	0	-1,948	0	453	21	1,138	1,166
Pentanes Plus	680	0	0	0	0	-153	0	85	0	442	134
Other Liquids	**36**	**0**	**0**	**-203**	**0**	**0**	**0**	**-223**	**0**	**56**	**3,752**
Other Hydrocarbons and Alcohol	36	0	0	-20	0	0	0	16	0	0	48
Unfinished Oils	0	0	0	-22	0	0	0	-233	0	211	1,930
Motor Gasoline Blending Components	0	0	0	-161	0	0	0	-6	0	-155	1,774
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**4**	**14,339**	**129**	**186**	**0**	**-73**	**0**	**0**	**4**	**14,581**	**11,178**
Finished Motor Gasoline	0	6,978	36	-136	0	-89	0	0	0	6,789	4,370
Finished Leaded Motor Gasoline	0	2,560	0	-34	0	-252	0	0	0	2,274	1,938
Finished Unleaded Motor Gasoline	0	4,418	36	-102	0	163	0	0	0	4,515	2,432
Finished Aviation Gasoline	0	26	0	-2	0	14	0	0	0	38	47
Naphtha-Type Jet Fuel	0	487	0	-18	0	-158	0	0	(s)	311	387
Kerosene-Type Jet Fuel	0	683	0	-8	0	464	0	0	0	1,139	820
Kerosene	0	5	0	3	0	0	0	0	0	8	31
Distillate Fuel Oil	0	3,705	91	247	0	-304	0	0	0	3,739	2,742
Residual Fuel Oil	0	326	1	-23	0	0	0	0	0	304	547
Petrochemical Feedstocks[2]	0	45	0	-5	0	0	0	0	(s)	40	17
Special Naphthas	0	0	0	-4	0	0	0	0	(s)	-4	12
Lubricants	0	21	0	3	0	0	0	0	2	22	97
Waxes	0	11	1	30	0	0	0	0	(s)	42	62
Petroleum Coke	0	261	0	13	0	0	0	0	0	274	9
Asphalt and Road Oil	0	1,129	0	94	0	0	0	0	1	1,222	1,973
Still Gas	0	602	0	0	0	0	0	0	0	602	0
Miscellaneous Products	4	60	0	-8	0	0	0	0	0	56	64
Total	**20,017**	**14,685**	**2,632**	**3**	**2,106**	**-8,781**	**0**	**14,419**	**25**	**16,217**	**27,986**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,772**	**0**	**1,480**	**-103**	**1,525**	**-6,710**	**0**	**12,964**	**0**	**0**	**11,859**
Natural Gas Liquids and LRGs	**4,231**	**246**	**368**	**-20**	**0**	**-2,255**	**0**	**505**	**45**	**2,020**	**1,320**
Liquefied Petroleum Gases	3,447	246	306	-4	0	-2,088	0	410	45	1,452	1,170
Pentanes Plus	784	0	62	-16	0	-167	0	95	0	568	150
Other Liquids	**50**	**0**	**0**	**246**	**0**	**0**	**0**	**279**	**0**	**17**	**3,506**
Other Hydrocarbons and Alcohol	50	0	0	7	0	0	0	57	0	0	41
Unfinished Oils	0	0	0	77	0	0	0	-125	0	202	1,853
Motor Gasoline Blending Components	0	0	0	162	0	0	0	347	0	-185	1,612
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**3**	**13,770**	**155**	**42**	**0**	**-35**	**0**	**0**	**6**	**13,929**	**11,136**
Finished Motor Gasoline	0	7,074	37	-325	0	-190	0	0	0	6,596	4,695
Finished Leaded Motor Gasoline	0	2,253	0	198	0	-211	0	0	0	2,240	1,740
Finished Unleaded Motor Gasoline	0	4,821	37	-523	0	21	0	0	0	4,356	2,955
Finished Aviation Gasoline	0	14	0	-1	0	17	0	0	0	30	48
Naphtha-Type Jet Fuel	0	489	0	-9	0	-93	0	0	(s)	387	396
Kerosene-Type Jet Fuel	0	691	0	99	0	404	0	0	0	1,194	721
Kerosene	0	55	0	-51	0	0	0	0	0	4	82
Distillate Fuel Oil	0	3,453	117	199	0	-173	0	0	0	3,596	2,543
Residual Fuel Oil	0	342	0	-48	0	0	0	0	0	294	595
Petrochemical Feedstocks[2]	0	39	0	-9	0	0	0	0	(s)	30	26
Special Naphthas	0	-6	0	4	0	0	0	0	(s)	-2	8
Lubricants	0	5	0	-3	0	0	0	0	4	-2	100
Waxes	0	62	1	-18	0	0	0	0	0	45	80
Petroleum Coke	0	315	0	-5	0	0	0	0	0	310	14
Asphalt and Road Oil	0	609	0	208	0	0	0	0	1	816	1,765
Still Gas	0	571	0	0	0	0	0	0	0	571	0
Miscellaneous Products	3	57	0	1	0	0	0	0	0	61	63
Total	**21,056**	**14,016**	**2,003**	**165**	**1,525**	**-9,000**	**0**	**13,748**	**51**	**15,966**	**27,821**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**15,954**	**0**	**2,395**	**130**	**2,139**	**-7,369**	**0**	**13,249**	**0**	**0**	**11,729**
Natural Gas Liquids and LRGs	**3,976**	**166**	**410**	**91**	**0**	**-2,103**	**0**	**713**	**38**	**1,789**	**1,229**
Liquefied Petroleum Gases	3,214	166	380	86	0	-1,951	0	563	38	1,294	1,084
Pentanes Plus	762	0	30	5	0	-152	0	150	0	495	145
Other Liquids	**29**	**0**	**0**	**-281**	**0**	**0**	**0**	**-94**	**0**	**-158**	**3,787**
Other Hydrocarbons and Alcohol	29	0	0	5	0	0	0	34	0	0	36
Unfinished Oils	0	0	0	133	0	0	0	69	0	64	1,720
Motor Gasoline Blending Components	0	0	0	-419	0	0	0	-197	0	-222	2,031
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**3**	**14,023**	**148**	**-388**	**0**	**-774**	**0**	**0**	**5**	**13,007**	**11,524**
Finished Motor Gasoline	0	7,237	36	23	0	-782	0	0	0	6,514	4,672
Finished Leaded Motor Gasoline	0	2,607	1	-175	0	-376	0	0	0	2,057	1,915
Finished Unleaded Motor Gasoline	0	4,630	35	198	0	-406	0	0	0	4,457	2,757
Finished Aviation Gasoline	0	12	0	-1	0	17	0	0	0	28	49
Naphtha-Type Jet Fuel	0	432	0	2	0	-115	0	0	1	318	394
Kerosene-Type Jet Fuel	0	784	0	22	0	447	0	0	0	1,253	699
Kerosene	0	-26	0	46	0	0	0	0	0	20	36
Distillate Fuel Oil	0	3,632	111	-187	0	-341	0	0	0	3,215	2,730
Residual Fuel Oil	0	357	0	-32	0	0	0	0	0	325	627
Petrochemical Feedstocks[2]	0	19	0	-4	0	0	0	0	1	14	30
Special Naphthas	0	-5	0	1	0	0	0	0	(s)	-4	7
Lubricants	0	9	0	22	0	0	0	0	2	29	78
Waxes	0	59	1	-20	0	0	0	0	0	40	100
Petroleum Coke	0	338	0	-4	0	0	0	0	0	334	18
Asphalt and Road Oil	0	547	0	-259	0	0	0	0	1	287	2,024
Still Gas	0	560	0	0	0	0	0	0	0	560	0
Miscellaneous Products	3	68	0	3	0	0	0	0	0	74	60
Total	**19,962**	**14,189**	**2,953**	**-448**	**2,139**	**-10,246**	**0**	**13,868**	**43**	**14,638**	**28,269**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 7. PAD District IV--Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**16,195**	**0**	**2,138**	**-62**	**1,726**	**-6,279**	**0**	**13,718**	**0**	**0**	**11,791**
Natural Gas Liquids and LRGs	**4,141**	**175**	**607**	**111**	**0**	**-1,745**	**0**	**834**	**42**	**2,413**	**1,118**
Liquefied Petroleum Gases	3,308	175	561	109	0	-1,595	0	665	42	1,851	975
Pentanes Plus	833	0	46	2	0	-150	0	169	0	562	143
Other Liquids	**22**	**0**	**0**	**-400**	**0**	**0**	**0**	**-426**	**0**	**48**	**4,187**
Other Hydrocarbons and Alcohol	22	0	0	-4	0	0	0	18	0	0	40
Unfinished Oils	0	0	0	-86	0	0	0	-210	0	124	1,806
Motor Gasoline Blending Components	0	0	0	-310	0	0	0	-234	0	-76	2,341
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	0	0	0	0
Finished Petroleum Products	**1**	**14,275**	**136**	**-1,039**	**0**	**-709**	**0**	**0**	**5**	**12,659**	**12,563**
Finished Motor Gasoline	0	7,367	39	-523	0	-495	0	0	0	6,388	5,195
Finished Leaded Motor Gasoline	0	2,441	1	-190	0	-399	0	0	0	1,853	2,105
Finished Unleaded Motor Gasoline	0	4,926	38	-333	0	-96	0	0	0	4,535	3,090
Finished Aviation Gasoline	0	12	0	2	0	14	0	0	0	28	47
Naphtha-Type Jet Fuel	0	397	0	-25	0	-110	0	0	1	261	419
Kerosene-Type Jet Fuel	0	822	0	50	0	382	0	0	0	1,254	649
Kerosene	0	23	0	-6	0	0	0	0	0	17	42
Distillate Fuel Oil	0	3,616	91	-101	0	-500	0	0	0	3,106	2,831
Residual Fuel Oil	0	381	5	-36	0	0	0	0	0	350	663
Petrochemical Feedstocks[2]	0	-6	0	20	0	0	0	0	(s)	14	10
Special Naphthas	0	0	0	0	0	0	0	0	0	0	7
Lubricants	0	24	0	9	0	0	0	0	2	31	69
Waxes	0	14	1	22	0	0	0	0	(s)	37	78
Petroleum Coke	0	348	0	3	0	0	0	0	2	350	15
Asphalt and Road Oil	0	636	0	-455	0	0	0	0	0	181	2,479
Still Gas	0	569	0	0	0	0	0	0	0	569	0
Miscellaneous Products	1	72	0	1	0	0	0	0	0	74	59
Total	**20,359**	**14,450**	**2,881**	**-1,390**	**1,726**	**-8,733**	**0**	**14,126**	**47**	**15,120**	**29,659**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,456**	**0**	**4,465**	**4,867**	**-3,558**	**-16,246**	**2**	**77,413**	**6,186**	**1,383**	**85,450**
Natural Gas Liquids and LRGs	**3,048**	**1,528**	**301**	**903**	**0**	**0**	**0**	**2,322**	**110**	**3,348**	**1,400**
Liquefied Petroleum Gases	1,490	1,528	301	909	0	0	0	1,376	110	2,742	1,351
Pentanes Plus	1,558	0	0	-6	0	0	0	946	0	606	49
Other Liquids	**505**	**0**	**545**	**-1,710**	**0**	**109**	**0**	**588**	**0**	**-1,139**	**31,938**
Other Hydrocarbons and Alcohol	505	0	0	-103	0	0	0	402	0	0	117
Unfinished Oils	0	0	545	-965	0	109	0	606	0	-917	23,615
Motor Gasoline Blending Components	0	0	0	-621	0	0	0	-399	0	-222	8,154
Aviation Gasoline Blending Components	0	0	0	-21	0	0	0	-21	0	0	52
Finished Petroleum Products	**0**	**83,294**	**1,792**	**607**	**0**	**3,404**	**0**	**0**	**8,902**	**80,194**	**58,022**
Finished Motor Gasoline	0	35,769	136	-2,227	0	2,004	0	0	28	35,654	24,051
Finished Leaded Motor Gasoline	0	8,616	20	-390	0	749	0	0	15	8,980	7,920
Finished Unleaded Motor Gasoline	0	27,153	116	-1,837	0	1,255	0	0	13	26,674	16,131
Finished Aviation Gasoline	0	157	2	-49	0	0	0	0	0	110	479
Naphtha-Type Jet Fuel	0	1,568	0	171	0	439	0	0	0	2,178	1,634
Kerosene-Type Jet Fuel	0	10,188	126	985	0	298	0	0	560	11,037	6,280
Kerosene	0	213	0	-30	0	0	0	0	1	182	289
Distillate Fuel Oil	0	12,625	63	835	0	706	0	0	1,335	12,894	10,639
Residual Fuel Oil	0	12,164	1,401	-31	0	0	0	0	4,563	8,971	8,345
Petrochemical Feedstocks[2]	0	535	0	68	0	0	0	0	259	344	222
Special Naphthas	0	92	11	19	0	0	0	0	5	117	162
Lubricants	0	616	19	63	0	-43	0	0	126	529	1,499
Waxes	0	56	6	1	0	0	0	0	7	56	103
Petroleum Coke	0	4,007	23	236	0	0	0	0	2,018	2,248	1,671
Asphalt and Road Oil	0	1,071	5	73	0	0	0	0	1	1,148	2,272
Still Gas	0	4,036	0	0	0	0	0	0	0	4,036	0
Miscellaneous Products	0	197	0	493	0	0	0	0	1	689	376
Total	**99,009**	**84,822**	**7,103**	**4,667**	**-3,558**	**-12,733**	**2**	**80,323**	**15,199**	**83,786**	**176,810**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, February 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**91,228**	**0**	**4,757**	**2,997**	**-2,311**	**-21,982**	**0**	**69,616**	**3,569**	**1,504**	**82,453**
Natural Gas Liquids and LRGs	**2,612**	**1,726**	**339**	**195**	**0**	**0**	**0**	**1,900**	**158**	**2,813**	**1,205**
Liquefied Petroleum Gases	1,306	1,726	339	205	0	0	0	1,175	158	2,242	1,146
Pentanes Plus	1,306	0	0	-10	0	0	0	725	0	571	59
Other Liquids	**343**	**0**	**307**	**644**	**0**	**0**	**0**	**1,402**	**0**	**-108**	**31,294**
Other Hydrocarbons and Alcohol	343	0	0	66	0	0	0	409	0	0	51
Unfinished Oils	0	0	0	1,010	0	0	0	972	0	38	22,605
Motor Gasoline Blending Components	0	0	307	-437	0	0	0	16	0	-146	8,591
Aviation Gasoline Blending Components	0	0	0	5	0	0	0	5	0	0	47
Finished Petroleum Products	**0**	**75,157**	**2,998**	**3,163**	**0**	**3,080**	**0**	**0**	**10,446**	**73,951**	**54,859**
Finished Motor Gasoline	0	31,831	802	1,456	0	1,716	0	0	246	35,559	22,595
Finished Leaded Motor Gasoline	0	8,232	11	623	0	568	0	0	29	9,405	7,297
Finished Unleaded Motor Gasoline	0	23,599	791	833	0	1,148	0	0	217	26,154	15,298
Finished Aviation Gasoline	0	94	2	16	0	0	0	0	0	112	463
Naphtha-Type Jet Fuel	0	1,350	3	74	0	274	0	0	0	1,701	1,560
Kerosene-Type Jet Fuel	0	9,068	291	17	0	249	0	0	250	9,375	6,263
Kerosene	0	195	0	-73	0	0	0	0	0	122	362
Distillate Fuel Oil	0	10,939	60	906	0	725	0	0	1,768	10,862	9,733
Residual Fuel Oil	0	11,831	1,689	872	0	0	0	0	5,218	9,174	7,473
Petrochemical Feedstocks[2]	0	443	37	-66	0	0	0	0	156	258	288
Special Naphthas	0	86	7	12	0	0	0	0	2	103	150
Lubricants	0	675	64	-145	0	116	0	0	117	593	1,644
Waxes	0	76	9	-13	0	0	0	0	10	62	116
Petroleum Coke	0	3,643	23	5	0	0	0	0	2,678	993	1,666
Asphalt and Road Oil	0	1,070	11	133	0	0	0	0	1	1,213	2,139
Still Gas	0	3,713	0	0	0	0	0	0	0	3,713	0
Miscellaneous Products	0	143	0	-31	0	0	0	0	(s)	112	407
Total	**94,183**	**76,883**	**8,401**	**6,999**	**-2,311**	**-18,902**	**0**	**72,918**	**14,174**	**78,161**	**169,811**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**98,056**	**0**	**5,068**	**2,704**	**2,187**	**-22,825**	**1**	**77,679**	**5,901**	**1,609**	**79,749**
Natural Gas Liquids and LRGs	**3,000**	**1,943**	**295**	**-161**	**0**	**0**	**0**	**2,012**	**222**	**2,843**	**1,366**
Liquefied Petroleum Gases	1,441	1,943	295	-166	0	0	0	1,047	222	2,244	1,312
Pentanes Plus	1,559	0	0	5	0	0	0	965	0	599	54
Other Liquids	**352**	**0**	**33**	**207**	**0**	**205**	**0**	**2,336**	**0**	**-1,539**	**31,087**
Other Hydrocarbons and Alcohol	352	0	0	16	0	0	0	368	0	0	35
Unfinished Oils	0	0	33	-483	0	141	0	1,146	0	-1,455	23,088
Motor Gasoline Blending Components	0	0	0	650	0	64	0	798	0	-84	7,941
Aviation Gasoline Blending Components	0	0	0	24	0	0	0	24	0	0	23
Finished Petroleum Products	**0**	**84,225**	**1,675**	**1,134**	**0**	**3,307**	**0**	**0**	**7,667**	**82,674**	**53,725**
Finished Motor Gasoline	0	34,848	367	1,860	0	1,955	0	0	338	38,692	20,735
Finished Leaded Motor Gasoline	0	9,185	43	376	0	701	0	0	65	10,240	6,921
Finished Unleaded Motor Gasoline	0	25,663	324	1,484	0	1,254	0	0	273	28,452	13,814
Finished Aviation Gasoline	0	142	2	62	0	0	0	0	0	206	401
Naphtha-Type Jet Fuel	0	1,465	3	165	0	402	0	0	0	2,035	1,395
Kerosene-Type Jet Fuel	0	10,524	594	-201	0	281	0	0	327	10,871	6,464
Kerosene	0	93	0	98	0	0	0	0	(s)	191	264
Distillate Fuel Oil	0	12,998	65	209	0	663	0	0	912	13,023	9,524
Residual Fuel Oil	0	12,656	310	-1,030	0	0	0	0	3,087	8,849	8,503
Petrochemical Feedstocks[2]	0	546	250	-11	0	0	0	0	235	550	299
Special Naphthas	0	94	45	29	0	0	0	0	4	164	121
Lubricants	0	722	0	-39	0	37	0	0	164	556	1,683
Waxes	0	88	5	-14	0	0	0	0	10	69	130
Petroleum Coke	0	4,110	23	10	0	0	0	0	2,587	1,556	1,656
Asphalt and Road Oil	0	1,462	11	-2	0	0	0	0	2	1,469	2,141
Still Gas	0	4,266	0	0	0	0	0	0	0	4,266	0
Miscellaneous Products	0	211	0	-2	0	-31	0	0	1	177	409
Total	**101,408**	**86,168**	**7,071**	**3,884**	**2,187**	**-19,313**	**1**	**82,027**	**13,790**	**85,587**	**165,927**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, April 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**93,247**	**0**	**6,667**	**3,287**	**-1,573**	**-18,906**	**3**	**78,369**	**3,091**	**1,259**	**76,462**
Natural Gas Liquids and LRGs	**2,570**	**1,975**	**215**	**-206**	**0**	**0**	**0**	**1,799**	**193**	**2,562**	**1,572**
Liquefied Petroleum Gases	1,299	1,975	215	-205	0	0	0	988	193	2,103	1,517
Pentanes Plus	1,271	0	0	-1	0	0	0	811	0	459	55
Other Liquids	**204**	**0**	**413**	**-845**	**0**	**0**	**0**	**880**	**0**	**-1,108**	**31,932**
Other Hydrocarbons and Alcohol	204	0	0	9	0	0	0	213	0	0	26
Unfinished Oils	0	0	413	-456	0	0	0	180	0	-223	23,544
Motor Gasoline Blending Components	0	0	0	-388	0	0	0	497	0	-885	8,329
Aviation Gasoline Blending Components	0	0	0	-10	0	0	0	-10	0	0	33
Finished Petroleum Products	**0**	**83,062**	**2,547**	**-3,862**	**0**	**3,257**	**0**	**0**	**7,054**	**77,950**	**57,587**
Finished Motor Gasoline	0	35,561	1,623	-1,540	0	1,947	0	0	30	37,561	22,275
Finished Leaded Motor Gasoline	0	9,180	36	-199	0	699	0	0	26	9,690	7,120
Finished Unleaded Motor Gasoline	0	26,381	1,587	-1,341	0	1,248	0	0	4	27,871	15,155
Finished Aviation Gasoline	0	166	4	72	0	0	0	0	0	242	329
Naphtha-Type Jet Fuel	0	1,509	0	-166	0	422	0	0	0	1,765	1,561
Kerosene-Type Jet Fuel	0	9,052	306	-503	0	214	0	0	47	9,022	6,967
Kerosene	0	244	0	-40	0	0	0	0	1	203	304
Distillate Fuel Oil	0	13,174	70	-1,736	0	707	0	0	894	11,321	11,260
Residual Fuel Oil	0	12,164	294	710	0	0	0	0	3,439	9,729	7,793
Petrochemical Feedstocks[2]	0	552	37	-50	0	0	0	0	211	328	349
Special Naphthas	0	113	8	-100	0	0	0	0	3	18	221
Lubricants	0	546	18	-18	0	-33	0	0	189	324	1,701
Waxes	0	61	7	4	0	0	0	0	8	64	126
Petroleum Coke	0	3,895	23	-214	0	0	0	0	2,231	1,473	1,870
Asphalt and Road Oil	0	1,541	157	-327	0	0	0	0	2	1,369	2,468
Still Gas	0	4,325	0	0	0	0	0	0	0	4,325	0
Miscellaneous Products	0	159	0	46	0	0	0	0	(s)	205	363
Total	**96,021**	**85,037**	**9,842**	**-1,626**	**-1,573**	**-15,649**	**3**	**81,048**	**10,339**	**80,662**	**167,553**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,907**	**0**	**9,109**	**-810**	**1,690**	**-19,884**	**2**	**80,825**	**4,143**	**1,042**	**77,272**
Natural Gas Liquids and LRGs	**2,776**	**1,792**	**355**	**-234**	**0**	**0**	**0**	**2,195**	**218**	**2,276**	**1,806**
Liquefied Petroleum Gases	1,359	1,792	355	-242	0	0	0	1,261	218	1,785	1,759
Pentanes Plus	1,417	0	0	8	0	0	0	934	0	491	47
Other Liquids	**419**	**0**	**1,033**	**-3,691**	**0**	**210**	**0**	**-2,627**	**0**	**598**	**35,623**
Other Hydrocarbons and Alcohol	419	0	0	6	0	0	0	425	0	0	20
Unfinished Oils	0	0	1,033	-4,229	0	150	0	-3,554	0	508	27,773
Motor Gasoline Blending Components	0	0	0	540	0	60	0	510	0	90	7,789
Aviation Gasoline Blending Components	0	0	0	-8	0	0	0	-8	0	0	41
Finished Petroleum Products	**0**	**82,524**	**2,161**	**-2,022**	**0**	**3,628**	**0**	**0**	**9,260**	**77,031**	**59,609**
Finished Motor Gasoline	0	34,531	720	208	0	2,386	0	0	5	37,840	22,067
Finished Leaded Motor Gasoline	0	8,822	0	306	0	877	0	0	1	10,004	6,814
Finished Unleaded Motor Gasoline	0	25,709	720	-98	0	1,509	0	0	4	27,836	15,253
Finished Aviation Gasoline	0	267	85	-136	0	0	0	0	0	216	465
Naphtha-Type Jet Fuel	0	1,906	10	-269	0	366	0	0	80	1,933	1,830
Kerosene-Type Jet Fuel	0	9,189	230	-314	0	182	0	0	3	9,284	7,281
Kerosene	0	75	0	103	0	0	0	0	0	178	201
Distillate Fuel Oil	0	14,460	272	-1,495	0	734	0	0	1,041	12,930	12,755
Residual Fuel Oil	0	10,432	711	-50	0	0	0	0	5,234	5,859	7,843
Petrochemical Feedstocks[2]	0	289	36	101	0	0	0	0	106	320	248
Special Naphthas	0	142	12	37	0	0	0	0	267	-76	184
Lubricants	0	582	0	15	0	-40	0	0	124	433	1,686
Waxes	0	47	9	20	0	0	0	0	7	69	106
Petroleum Coke	0	4,100	0	-43	0	0	0	0	2,389	1,668	1,913
Asphalt and Road Oil	0	2,078	76	-191	0	0	0	0	3	1,960	2,659
Still Gas	0	4,253	0	0	0	0	0	0	0	4,253	0
Miscellaneous Products	0	173	0	-8	0	0	0	0	(s)	165	371
Total	**99,102**	**84,316**	**12,658**	**-6,757**	**1,690**	**-16,046**	**2**	**80,393**	**13,621**	**80,948**	**174,310**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, June 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**91,792**	**0**	**6,114**	**442**	**2,804**	**-17,411**	**0**	**79,051**	**3,723**	**967**	**76,830**
Natural Gas Liquids and LRGs	**2,658**	**2,173**	**255**	**-553**	**0**	**0**	**0**	**1,814**	**292**	**2,427**	**2,359**
Liquefied Petroleum Gases	1,321	2,173	255	-541	0	0	0	1,011	292	1,905	2,300
Pentanes Plus	1,337	0	0	-12	0	0	0	803	0	522	59
Other Liquids	**267**	**0**	**0**	**-1,301**	**0**	**0**	**0**	**-536**	**0**	**-498**	**36,924**
Other Hydrocarbons and Alcohol	267	0	0	4	0	0	0	271	0	0	16
Unfinished Oils	0	0	0	-1,676	0	0	0	-1,118	0	-558	29,449
Motor Gasoline Blending Components	0	0	0	356	0	0	0	296	0	60	7,433
Aviation Gasoline Blending Components	0	0	0	15	0	0	0	15	0	0	26
Finished Petroleum Products	**0**	**81,772**	**2,005**	**2,903**	**0**	**3,194**	**0**	**0**	**9,877**	**79,997**	**56,706**
Finished Motor Gasoline	0	34,344	1,424	2,342	0	1,923	0	0	230	39,803	19,725
Finished Leaded Motor Gasoline	0	8,160	0	767	0	702	0	0	1	9,628	6,047
Finished Unleaded Motor Gasoline	0	26,184	1,424	1,575	0	1,221	0	0	228	30,176	13,678
Finished Aviation Gasoline	0	198	5	55	0	0	0	0	0	258	410
Naphtha-Type Jet Fuel	0	1,407	0	89	0	405	0	0	(s)	1,901	1,741
Kerosene-Type Jet Fuel	0	9,964	106	-27	0	198	0	0	39	10,203	7,308
Kerosene	0	152	0	-20	0	0	0	0	0	132	221
Distillate Fuel Oil	0	13,461	98	64	0	678	0	0	825	13,476	12,691
Residual Fuel Oil	0	10,311	276	105	0	0	0	0	4,778	5,914	7,738
Petrochemical Feedstocks[2]	0	329	0	48	0	0	0	0	156	221	200
Special Naphthas	0	109	9	7	0	0	0	0	1	124	177
Lubricants	0	671	30	-269	0	-10	0	0	171	251	1,955
Waxes	0	72	5	2	0	0	0	0	7	72	104
Petroleum Coke	0	4,028	8	75	0	0	0	0	3,668	443	1,838
Asphalt and Road Oil	0	2,322	44	380	0	0	0	0	2	2,744	2,279
Still Gas	0	4,196	0	0	0	0	0	0	0	4,196	0
Miscellaneous Products	0	208	0	52	0	0	0	0	(s)	260	319
Total	**94,717**	**83,945**	**8,375**	**1,491**	**2,804**	**-14,217**	**0**	**80,329**	**13,892**	**82,894**	**172,819**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**93,855**	**0**	**4,366**	**3,135**	**3,630**	**-16,829**	**0**	**81,550**	**5,717**	**890**	**73,695**
Natural Gas Liquids and LRGs	**2,661**	**2,333**	**105**	**-563**	**0**	**0**	**0**	**1,972**	**203**	**2,361**	**2,922**
Liquefied Petroleum Gases	1,276	2,333	105	-564	0	0	0	1,155	203	1,792	2,864
Pentanes Plus	1,385	0	0	1	0	0	0	817	0	569	58
Other Liquids	**481**	**0**	**64**	**325**	**0**	**156**	**0**	**493**	**0**	**533**	**36,599**
Other Hydrocarbons and Alcohol	481	0	0	9	0	0	0	490	0	0	7
Unfinished Oils	0	0	64	733	0	156	0	371	0	582	28,716
Motor Gasoline Blending Components	0	0	0	-394	0	0	0	-345	0	-49	7,827
Aviation Gasoline Blending Components	0	0	0	-23	0	0	0	-23	0	0	49
Finished Petroleum Products	**0**	**86,127**	**2,935**	**-73**	**0**	**3,504**	**0**	**0**	**8,760**	**83,733**	**56,779**
Finished Motor Gasoline	0	37,497	1,422	-237	0	2,035	0	0	6	40,711	19,962
Finished Leaded Motor Gasoline	0	9,121	37	338	0	693	0	0	1	10,188	5,709
Finished Unleaded Motor Gasoline	0	28,376	1,385	-575	0	1,342	0	0	4	30,524	14,253
Finished Aviation Gasoline	0	171	6	12	0	69	0	0	0	258	398
Naphtha-Type Jet Fuel	0	1,535	7	173	0	342	0	0	0	2,057	1,568
Kerosene-Type Jet Fuel	0	9,839	619	-114	0	250	0	0	65	10,528	7,422
Kerosene	0	165	0	-11	0	0	0	0	(s)	154	232
Distillate Fuel Oil	0	13,241	72	402	0	752	0	0	1,062	13,405	12,289
Residual Fuel Oil	0	10,841	606	-171	0	0	0	0	3,903	7,373	7,909
Petrochemical Feedstocks[2]	0	372	73	-123	0	0	0	0	147	175	323
Special Naphthas	0	92	12	16	0	0	0	0	76	44	161
Lubricants	0	548	0	70	0	56	0	0	180	494	1,885
Waxes	0	79	6	-10	0	0	0	0	8	67	114
Petroleum Coke	0	4,305	26	-78	0	0	0	0	3,273	980	1,916
Asphalt and Road Oil	0	2,600	86	40	0	0	0	0	39	2,687	2,239
Still Gas	0	4,647	0	0	0	0	0	0	0	4,647	0
Miscellaneous Products	0	195	0	-42	0	0	0	0	(s)	153	361
Total	**96,997**	**88,460**	**7,470**	**2,824**	**3,630**	**-13,169**	**0**	**84,015**	**14,680**	**87,517**	**169,995**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, August 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,313**	**0**	**6,997**	**-1,330**	**-851**	**-13,887**	**1**	**80,759**	**4,565**	**917**	**75,025**
Natural Gas Liquids and LRGs	**2,701**	**2,199**	**172**	**-635**	**0**	**0**	**0**	**1,982**	**238**	**2,218**	**3,557**
Liquefied Petroleum Gases	1,310	2,199	172	-567	0	0	0	1,129	238	1,748	3,431
Pentanes Plus	1,391	0	0	-68	0	0	0	853	0	470	126
Other Liquids	**436**	**0**	**0**	**1,003**	**0**	**0**	**0**	**1,982**	**0**	**-543**	**35,596**
Other Hydrocarbons and Alcohol	436	0	0	0	0	0	0	436	0	0	7
Unfinished Oils	0	0	0	82	0	0	0	661	0	-579	28,634
Motor Gasoline Blending Components	0	0	0	899	0	0	0	863	0	36	6,928
Aviation Gasoline Blending Components	0	0	0	22	0	0	0	22	0	0	27
Finished Petroleum Products	**0**	**86,959**	**2,618**	**1,122**	**0**	**2,977**	**0**	**0**	**9,674**	**84,003**	**55,657**
Finished Motor Gasoline	0	37,622	1,128	-1,093	0	1,724	0	0	27	39,354	21,055
Finished Leaded Motor Gasoline	0	10,073	58	-480	0	610	0	0	16	10,245	6,189
Finished Unleaded Motor Gasoline	0	27,549	1,070	-613	0	1,114	0	0	11	29,109	14,866
Finished Aviation Gasoline	0	203	4	-45	0	0	0	0	0	162	443
Naphtha-Type Jet Fuel	0	1,629	4	-161	0	361	0	0	0	1,833	1,729
Kerosene-Type Jet Fuel	0	10,033	1,052	406	0	185	0	0	401	11,276	7,016
Kerosene	0	142	0	-3	0	0	0	0	(s)	139	235
Distillate Fuel Oil	0	13,178	66	1,414	0	761	0	0	1,043	14,376	10,875
Residual Fuel Oil	0	11,331	271	-117	0	0	0	0	5,176	6,309	8,026
Petrochemical Feedstocks[2]	0	532	0	-14	0	0	0	0	261	257	337
Special Naphthas	0	65	12	-1	0	0	0	0	224	-148	162
Lubricants	0	640	3	113	0	-54	0	0	137	565	1,772
Waxes	0	75	7	-7	0	0	0	0	7	68	121
Petroleum Coke	0	3,927	22	96	0	0	0	0	2,394	1,651	1,820
Asphalt and Road Oil	0	2,767	49	424	0	0	0	0	2	3,238	1,815
Still Gas	0	4,625	0	0	0	0	0	0	0	4,625	0
Miscellaneous Products	0	190	0	110	0	0	0	0	1	299	251
Total	**98,450**	**89,158**	**9,788**	**160**	**-851**	**-10,910**	**1**	**84,723**	**14,476**	**86,594**	**169,835**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, September 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**92,270**	**0**	**6,450**	**-5,217**	**4,447**	**-14,429**	**1**	**79,347**	**3,052**	**1,121**	**80,242**
Natural Gas Liquids and LRGs	**2,650**	**2,243**	**257**	**-584**	**0**	**0**	**0**	**2,061**	**194**	**2,311**	**4,141**
Liquefied Petroleum Gases	1,291	2,243	257	-604	0	0	0	1,155	194	1,838	4,035
Pentanes Plus	1,359	0	0	20	0	0	0	906	0	473	106
Other Liquids	**329**	**0**	**13**	**-1,496**	**0**	**140**	**0**	**706**	**0**	**-1,720**	**37,092**
Other Hydrocarbons and Alcohol	329	0	0	-8	0	0	0	321	0	0	15
Unfinished Oils	0	0	0	-699	0	140	0	468	0	-1,027	29,333
Motor Gasoline Blending Components	0	0	13	-773	0	0	0	-67	0	-693	7,701
Aviation Gasoline Blending Components	0	0	0	-16	0	0	0	-16	0	0	43
Finished Petroleum Products	**0**	**84,086**	**5,037**	**-4,911**	**0**	**3,056**	**0**	**0**	**6,844**	**80,423**	**60,568**
Finished Motor Gasoline	0	35,746	1,692	-2,719	0	1,895	0	0	27	36,587	23,774
Finished Leaded Motor Gasoline	0	8,916	14	-673	0	619	0	0	17	8,859	6,862
Finished Unleaded Motor Gasoline	0	26,830	1,678	-2,046	0	1,276	0	0	10	27,728	16,912
Finished Aviation Gasoline	0	219	5	-22	0	0	0	0	0	202	465
Naphtha-Type Jet Fuel	0	1,391	3	-78	0	287	0	0	0	1,603	1,807
Kerosene-Type Jet Fuel	0	9,917	229	92	0	214	0	0	111	10,340	6,924
Kerosene	0	121	0	20	0	0	0	0	(s)	141	215
Distillate Fuel Oil	0	13,391	474	-1,430	0	636	0	0	519	12,552	12,305
Residual Fuel Oil	0	10,804	2,197	-997	0	0	0	0	2,417	9,587	9,023
Petrochemical Feedstocks[2]	0	619	382	-51	0	0	0	0	183	767	388
Special Naphthas	0	85	14	23	0	0	0	0	1	121	139
Lubricants	0	374	13	139	0	24	0	0	161	389	1,633
Waxes	0	64	10	4	0	0	0	0	8	70	117
Petroleum Coke	0	4,052	9	16	0	0	0	0	3,417	660	1,804
Asphalt and Road Oil	0	2,590	9	233	0	0	0	0	1	2,831	1,582
Still Gas	0	4,507	0	0	0	0	0	0	0	4,507	0
Miscellaneous Products	0	206	0	-141	0	0	0	0	(s)	65	392
Total	**95,249**	**86,329**	**11,756**	**-12,208**	**4,447**	**-11,233**	**1**	**82,114**	**10,091**	**82,135**	**182,043**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, October 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**95,140**	**0**	**5,717**	**-3,407**	**1,615**	**-15,233**	**0**	**77,460**	**5,064**	**1,308**	**83,649**
Natural Gas Liquids and LRGs	**2,703**	**2,050**	**406**	**-364**	**0**	**0**	**0**	**2,146**	**276**	**2,374**	**4,505**
Liquefied Petroleum Gases	1,310	2,050	406	-344	0	0	0	1,263	276	1,884	4,379
Pentanes Plus	1,393	0	0	-20	0	0	0	883	0	490	126
Other Liquids	**318**	**0**	**1**	**1,658**	**0**	**0**	**0**	**2,001**	**0**	**-24**	**35,434**
Other Hydrocarbons and Alcohol	318	0	0	2	0	0	0	320	0	0	13
Unfinished Oils	0	0	1	1,696	0	0	0	1,697	0	0	27,637
Motor Gasoline Blending Components	0	0	0	-45	0	0	0	-21	0	-24	7,746
Aviation Gasoline Blending Components	0	0	0	5	0	0	0	5	0	0	38
Finished Petroleum Products	**0**	**84,147**	**5,096**	**1,605**	**0**	**2,725**	**0**	**0**	**8,824**	**84,749**	**58,963**
Finished Motor Gasoline	0	35,953	944	634	0	1,638	0	0	27	39,142	23,140
Finished Leaded Motor Gasoline	0	9,218	3	64	0	512	0	0	6	9,791	6,798
Finished Unleaded Motor Gasoline	0	26,735	941	570	0	1,126	0	0	21	29,351	16,342
Finished Aviation Gasoline	0	139	4	30	0	0	0	0	0	173	435
Naphtha-Type Jet Fuel	0	1,763	0	20	0	296	0	0	77	2,002	1,787
Kerosene-Type Jet Fuel	0	9,494	871	22	0	252	0	0	22	10,617	6,902
Kerosene	0	168	0	-20	0	0	0	0	1	147	235
Distillate Fuel Oil	0	13,142	47	739	0	535	0	0	840	13,623	11,566
Residual Fuel Oil	0	11,382	3,195	-5	0	0	0	0	4,524	10,048	9,028
Petrochemical Feedstocks[2]	0	483	0	85	0	0	0	0	85	483	303
Special Naphthas	0	100	9	3	0	0	0	0	6	106	136
Lubricants	0	457	0	115	0	4	0	0	101	475	1,518
Waxes	0	49	7	18	0	0	0	0	7	67	99
Petroleum Coke	0	4,295	19	-205	0	0	0	0	3,133	976	2,009
Asphalt and Road Oil	0	2,204	0	168	0	0	0	0	1	2,371	1,414
Still Gas	0	4,440	0	0	0	0	0	0	0	4,440	0
Miscellaneous Products	0	78	0	1	0	0	0	0	(s)	79	391
Total	**98,161**	**86,197**	**11,220**	**-508**	**1,615**	**-12,508**	**0**	**81,607**	**14,164**	**88,407**	**182,551**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V Supply and Disposition
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**91,873**	**0**	**7,693**	**2,167**	**-3,284**	**-15,526**	**2**	**77,552**	**4,050**	**1,319**	**81,482**
Natural Gas Liquids and LRGs	**2,558**	**1,448**	**655**	**684**	**0**	**0**	**0**	**2,385**	**299**	**2,662**	**3,821**
Liquefied Petroleum Gases	1,223	1,448	655	629	0	0	0	1,506	299	2,151	3,750
Pentanes Plus	1,335	0	0	55	0	0	0	879	0	511	71
Other Liquids	**370**	**0**	**547**	**619**	**0**	**154**	**0**	**551**	**0**	**1,139**	**34,815**
Other Hydrocarbons and Alcohol	370	0	0	8	0	0	0	378	0	0	5
Unfinished Oils	0	0	547	798	0	154	0	342	0	1,157	26,839
Motor Gasoline Blending Components	0	0	0	-192	0	0	0	-186	0	-6	7,938
Aviation Gasoline Blending Components	0	0	0	5	0	0	0	17	0	-12	33
Finished Petroleum Products	**0**	**83,302**	**1,550**	**-935**	**0**	**3,185**	**0**	**0**	**7,220**	**79,882**	**59,898**
Finished Motor Gasoline	0	35,575	207	160	0	2,065	0	0	202	37,805	22,980
Finished Leaded Motor Gasoline	0	8,532	26	335	0	692	0	0	1	9,584	6,463
Finished Unleaded Motor Gasoline	0	27,043	181	-175	0	1,373	0	0	201	28,221	16,517
Finished Aviation Gasoline	0	116	6	7	0	0	0	0	0	129	428
Naphtha-Type Jet Fuel	0	1,550	3	-20	0	354	0	0	0	1,887	1,807
Kerosene-Type Jet Fuel	0	9,585	296	-598	0	205	0	0	215	9,273	7,500
Kerosene	0	139	172	16	0	0	0	0	(s)	327	219
Distillate Fuel Oil	0	13,527	81	-822	0	607	0	0	231	13,162	12,388
Residual Fuel Oil	0	11,937	677	147	0	0	0	0	3,778	8,983	8,881
Petrochemical Feedstocks[2]	0	437	42	-27	0	0	0	0	98	354	330
Special Naphthas	0	87	9	3	0	0	0	0	108	-9	133
Lubricants	0	379	30	188	0	-46	0	0	125	426	1,330
Waxes	0	64	10	10	0	0	0	0	8	76	89
Petroleum Coke	0	4,066	17	79	0	0	0	0	2,452	1,710	1,930
Asphalt and Road Oil	0	1,496	0	-151	0	0	0	0	2	1,343	1,565
Still Gas	0	4,209	0	0	0	0	0	0	0	4,209	0
Miscellaneous Products	0	135	0	73	0	0	0	0	(s)	208	318
Total	**94,801**	**84,750**	**10,445**	**2,535**	**-3,284**	**-12,187**	**2**	**80,488**	**11,569**	**85,002**	**180,016**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 8. PAD District V--Supply and Disposition of Crude Oil and Petroleum Products, December 1988
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Refinery Production	Imports by PADD of Entry	Stock Withdrawal (+) or Addition (-)	Unaccounted For Crude Oil[1]	Net Receipts	Crude Losses	Refinery Inputs	Exports	Products Supplied	
Crude Oil (including lease condensate)	**93,363**	**0**	**6,239**	**1,945**	**2,364**	**-16,557**	**1**	**82,051**	**3,924**	**1,378**	**79,537**
Natural Gas Liquids and LRGs	**2,561**	**1,643**	**466**	**1,026**	**0**	**0**	**0**	**2,449**	**358**	**2,889**	**2,795**
Liquefied Petroleum Gases	1,212	1,643	466	985	0	0	0	1,530	358	2,418	2,765
Pentanes Plus	1,349	0	0	41	0	0	0	919	0	471	30
Other Liquids	**563**	**0**	**236**	**2,868**	**0**	**0**	**0**	**2,798**	**0**	**869**	**31,947**
Other Hydrocarbons and Alcohol	563	0	0	-11	0	0	0	552	0	0	16
Unfinished Oils	0	0	236	3,860	0	0	0	3,329	0	767	22,979
Motor Gasoline Blending Components	0	0	0	-1,002	0	0	0	-1,104	0	102	8,940
Aviation Gasoline Blending Components	0	0	0	21	0	0	0	21	0	0	12
Finished Petroleum Products	**0**	**90,794**	**1,974**	**-1,428**	**0**	**3,381**	**0**	**0**	**12,773**	**81,947**	**61,326**
Finished Motor Gasoline	0	39,445	127	-1,609	0	1,941	0	0	689	39,215	24,589
Finished Leaded Motor Gasoline	0	9,611	30	-823	0	664	0	0	22	9,460	7,286
Finished Unleaded Motor Gasoline	0	29,834	97	-786	0	1,277	0	0	667	29,755	17,303
Finished Aviation Gasoline	0	224	31	-92	0	0	0	0	0	163	520
Naphtha-Type Jet Fuel	0	1,990	0	-28	0	330	0	0	77	2,215	1,835
Kerosene-Type Jet Fuel	0	11,346	176	573	0	208	0	0	1,458	10,845	6,927
Kerosene	0	156	0	9	0	0	0	0	51	114	210
Distillate Fuel Oil	0	13,511	55	398	0	834	0	0	1,627	13,171	11,990
Residual Fuel Oil	0	12,242	1,425	-294	0	0	0	0	6,065	7,308	9,175
Petrochemical Feedstocks[2]	0	446	109	18	0	0	0	0	393	180	312
Special Naphthas	0	148	7	-33	0	0	0	0	3	119	166
Lubricants	0	537	7	-41	0	68	0	0	371	200	1,371
Waxes	0	71	9	-6	0	0	0	0	9	65	95
Petroleum Coke	0	4,506	28	162	0	0	0	0	2,026	2,670	1,768
Asphalt and Road Oil	0	1,628	0	-482	0	0	0	0	3	1,143	2,047
Still Gas	0	4,417	0	0	0	0	0	0	0	4,417	0
Miscellaneous Products	0	127	0	-3	0	0	0	0	1	123	321
Total	**96,487**	**92,437**	**8,915**	**4,411**	**2,364**	**-13,176**	**1**	**87,298**	**17,055**	**87,083**	**175,605**

1 Unaccounted for crude oil is a balancing item.
2 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 9. Production of Crude Oil by PAD District and State, January 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,177**	**38**
Florida	712	23
New York	44	1
Pennsylvania	215	7
Virginia	1	(s)
West Virginia	205	7
PAD District II, Total	**25,415**	**820**
Illinois	1,839	59
Indiana	293	9
Kansas	4,872	157
Kentucky	400	13
Michigan	2,053	66
Missouri	14	(s)
Nebraska	475	15
North Dakota	3,356	108
Ohio	980	32
Oklahoma	10,937	353
South Dakota	149	5
Tennessee	48	2
PAD District III, Total	**116,160**	**3,747**
Alabama	1,827	59
Arkansas	1,161	37
Louisiana [1]	14,368	463
Mississippi	2,344	76
New Mexico	6,162	199
Texas [1]	63,922	2,062
Federal Offshore PAD District III	26,375	851
PAD District IV, Total	**17,535**	**566**
Colorado	2,528	82
Montana	2,042	66
Utah	2,918	94
Wyoming	10,046	324
PAD District V, Total	**95,456**	**3,079**
Alaska [1]	61,971	1,999
South Alaska	1,338	43
North Slope	60,633	1,956
Arizona	10	(s)
California [1]	30,547	985
Nevada	261	8
Federal Offshore PAD District V	2,668	86
U.S. Total [1]	**255,743**	**8,250**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,720; California: State - 2,445; Louisiana: State - 2,127; Texas: State - 133; U.S. Total, including Federal Offshore - 38,468.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, February 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,159**	**40**
Florida	652	22
New York	47	2
Pennsylvania	230	8
Virginia	1	(s)
West Virginia	229	8
PAD District II, Total	**25,137**	**867**
Illinois	1,821	63
Indiana	281	10
Kansas	4,872	168
Kentucky	441	15
Michigan	1,950	67
Missouri	13	(s)
Nebraska	459	16
North Dakota	3,159	109
Ohio	996	34
Oklahoma	10,958	378
South Dakota	138	5
Tennessee	50	2
PAD District III, Total	**108,759**	**3,750**
Alabama	1,703	59
Arkansas	1,203	41
Louisiana [1]	13,547	467
Mississippi	2,191	76
New Mexico	5,821	201
Texas [1]	59,979	2,068
Federal Offshore PAD District III	24,314	838
PAD District IV, Total	**16,566**	**571**
Colorado	2,510	87
Montana	1,916	66
Utah	2,740	94
Wyoming	9,400	324
PAD District V, Total	**91,228**	**3,146**
Alaska [1]	60,020	2,070
South Alaska	1,259	43
North Slope	58,761	2,026
Arizona	10	(s)
California [1]	28,559	985
Nevada	242	8
Federal Offshore PAD District V	2,397	83
U.S. Total [1]	**242,848**	**8,374**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,493; California: State - 2,336; Louisiana: State - 2,062; Texas: State - 122; U.S. Total, including Federal Offshore - 35,723.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, March 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,256**	**41**
Florida	685	22
New York	53	2
Pennsylvania	262	8
Virginia	3	(s)
West Virginia	252	8
PAD District II, Total	**26,503**	**855**
Illinois	2,000	65
Indiana	422	14
Kansas	5,201	168
Kentucky	432	14
Michigan	2,070	67
Missouri	12	(s)
Nebraska	477	15
North Dakota	3,379	109
Ohio	1,094	35
Oklahoma	11,222	362
South Dakota	144	5
Tennessee	50	2
PAD District III, Total	**116,190**	**3,748**
Alabama	1,744	56
Arkansas	1,219	39
Louisiana [1]	14,463	467
Mississippi	2,319	75
New Mexico	6,195	200
Texas [1]	63,853	2,060
Federal Offshore PAD District III	26,397	852
PAD District IV, Total	**17,582**	**567**
Colorado	2,743	88
Montana	2,040	66
Utah	2,859	92
Wyoming	9,940	321
PAD District V, Total	**98,056**	**3,163**
Alaska [1]	64,668	2,086
South Alaska	1,307	42
North Slope	63,361	2,044
Arizona	10	(s)
California [1]	30,678	990
Nevada	263	8
Federal Offshore PAD District V	2,437	79
U.S. Total [1]	**259,587**	**8,374**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,425; California: State - 2,440; Louisiana: State - 2,232; Texas: State - 120; U.S. Total, including Federal Offshore - 38,052.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, April 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,159**	**39**
Florida	641	21
New York	48	2
Pennsylvania	242	8
Virginia	5	(s)
West Virginia	223	7
PAD District II, Total	**25,518**	**851**
Illinois	1,876	63
Indiana	303	10
Kansas	4,976	166
Kentucky	497	17
Michigan	1,977	66
Missouri	13	(s)
Nebraska	473	16
North Dakota	3,292	110
Ohio	994	33
Oklahoma	10,924	364
South Dakota	138	5
Tennessee	55	2
PAD District III, Total	**111,459**	**3,715**
Alabama	1,674	56
Arkansas	1,190	40
Louisiana [1]	13,835	461
Mississippi	2,255	75
New Mexico	5,871	196
Texas [1]	61,281	2,043
Federal Offshore PAD District III	25,353	845
PAD District IV, Total	**17,246**	**575**
Colorado	2,719	91
Montana	1,947	65
Utah	2,824	94
Wyoming	9,756	325
PAD District V, Total	**93,247**	**3,108**
Alaska [1]	60,877	2,029
South Alaska	1,301	43
North Slope	59,575	1,986
Arizona	8	(s)
California [1]	29,347	978
Nevada	259	9
Federal Offshore PAD District V	2,757	92
U.S. Total [1]	**248,629**	**8,288**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,129; California: State - 2,348; Louisiana: State - 2,082; Texas: State - 152; U.S. Total, including Federal Offshore - 36,821.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, May 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,204**	**39**
Florida	672	22
New York	54	2
Pennsylvania	253	8
Virginia	2	(s)
West Virginia	222	7
PAD District II, Total	**26,115**	**842**
Illinois	1,931	62
Indiana	310	10
Kansas	5,077	164
Kentucky	473	15
Michigan	1,969	64
Missouri	16	1
Nebraska	497	16
North Dakota	3,413	110
Ohio	986	32
Oklahoma	11,252	363
South Dakota	141	5
Tennessee	51	2
PAD District III, Total	**114,210**	**3,684**
Alabama	1,625	52
Arkansas	1,217	39
Louisiana [1]	14,283	461
Mississippi	2,292	74
New Mexico	5,944	192
Texas [1]	62,750	2,024
Federal Offshore PAD District III	26,099	842
PAD District IV, Total	**17,653**	**569**
Colorado	2,753	89
Montana	2,020	65
Utah	2,957	95
Wyoming	9,922	320
PAD District V, Total	**95,907**	**3,094**
Alaska [1]	62,492	2,016
South Alaska	1,344	43
North Slope	61,149	1,973
Arizona	10	(s)
California [1]	30,380	980
Nevada	272	9
Federal Offshore PAD District V	2,753	89
U.S. Total [1]	**255,089**	**8,229**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,204; California: State - 2,445; Louisiana: State - 2,259; Texas: State - 153; U.S. Total, including Federal Offshore - 37,914.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, June 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,202**	**40**
Florida	658	22
New York	51	2
Pennsylvania	262	9
Virginia	2	(s)
West Virginia	228	8
PAD District II, Total	**25,542**	**851**
Illinois	1,971	66
Indiana	320	11
Kansas	5,065	169
Kentucky	490	16
Michigan	1,923	64
Missouri	14	(s)
Nebraska	491	16
North Dakota	3,289	110
Ohio	1,033	34
Oklahoma	10,763	359
South Dakota	134	4
Tennessee	49	2
PAD District III, Total	**109,677**	**3,656**
Alabama	1,712	57
Arkansas	1,106	37
Louisiana [1]	13,341	445
Mississippi	2,189	73
New Mexico	5,831	194
Texas [1]	60,347	2,012
Federal Offshore PAD District III	25,151	838
PAD District IV, Total	**16,890**	**563**
Colorado	2,760	92
Montana	1,933	64
Utah	2,740	91
Wyoming	9,456	315
PAD District V, Total	**91,792**	**3,060**
Alaska [1]	59,523	1,984
South Alaska	1,290	43
North Slope	58,234	1,941
Arizona	9	(s)
California [1]	29,348	978
Nevada	266	9
Federal Offshore PAD District V	2,646	88
U.S. Total [1]	**245,102**	**8,170**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,051; California: State - 2,319; Louisiana: State - 2,042; Texas: State - 144; U.S. Total, including Federal Offshore - 36,354.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, July 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,168**	**38**
Florida	683	22
New York	44	1
Pennsylvania	234	8
Virginia	1	(s)
West Virginia	206	7
PAD District II, Total	**24,865**	**802**
Illinois	1,844	59
Indiana	258	8
Kansas	4,802	155
Kentucky	444	14
Michigan	1,932	62
Missouri	14	(s)
Nebraska	506	16
North Dakota	3,348	108
Ohio	945	30
Oklahoma	10,588	342
South Dakota	135	4
Tennessee	48	2
PAD District III, Total	**112,170**	**3,618**
Alabama	1,835	59
Arkansas	1,077	35
Louisiana [1]	13,700	442
Mississippi	2,300	74
New Mexico	5,931	191
Texas [1]	61,624	1,988
Federal Offshore PAD District III	25,705	829
PAD District IV, Total	**17,171**	**554**
Colorado	2,796	90
Montana	1,970	64
Utah	2,759	89
Wyoming	9,645	311
PAD District V, Total	**93,855**	**3,028**
Alaska [1]	60,764	1,960
South Alaska	1,330	43
North Slope	59,434	1,917
Arizona	10	(s)
California [1]	30,208	974
Nevada	277	9
Federal Offshore PAD District V	2,595	84
U.S. Total [1]	**249,229**	**8,040**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,183; California: State - 2,382; Louisiana: State - 2,144; Texas: State - 151; U.S. Total, including Federal Offshore - 37,160.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, August 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,197**	**39**
Florida	668	22
New York	47	2
Pennsylvania	251	8
Virginia	2	(s)
West Virginia	228	7
PAD District II, Total	**25,536**	**824**
Illinois	1,970	64
Indiana	310	10
Kansas	5,053	163
Kentucky	476	15
Michigan	1,886	61
Missouri	13	(s)
Nebraska	518	17
North Dakota	3,324	107
Ohio	982	32
Oklahoma	10,814	349
South Dakota	138	4
Tennessee	53	2
PAD District III, Total	**111,532**	**3,598**
Alabama	1,781	57
Arkansas	1,047	34
Louisiana [1]	14,248	460
Mississippi	2,508	81
New Mexico	6,020	194
Texas [1]	61,476	1,983
Federal Offshore PAD District III	24,451	789
PAD District IV, Total	**16,880**	**545**
Colorado	2,789	90
Montana	1,977	64
Utah	2,757	89
Wyoming	9,356	302
PAD District V, Total	**95,313**	**3,075**
Alaska [1]	62,268	2,009
South Alaska	1,306	42
North Slope	60,962	1,967
Arizona	9	(s)
California [1]	30,011	968
Nevada	284	9
Federal Offshore PAD District V	2,742	88
U.S. Total [1]	**250,459**	**8,079**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,213; California: State - 2,313; Louisiana: State - 2,039; Texas: State - 72; U.S. Total, including Federal Offshore - 35,830.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, September 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,112**	**37**
Florida	627	21
New York	44	1
Pennsylvania	230	8
Virginia	1	(s)
West Virginia	209	7
PAD District II, Total	**24,357**	**812**
Illinois	1,860	62
Indiana	298	10
Kansas	4,745	158
Kentucky	454	15
Michigan	1,876	63
Missouri	13	(s)
Nebraska	500	17
North Dakota	3,174	106
Ohio	971	32
Oklahoma	10,284	343
South Dakota	132	4
Tennessee	50	2
PAD District III, Total	**102,858**	**3,429**
Alabama	1,754	58
Arkansas	1,095	37
Louisiana [1]	12,541	418
Mississippi	2,240	75
New Mexico	5,789	193
Texas [1]	59,019	1,967
Federal Offshore PAD District III	20,420	681
PAD District IV, Total	**16,250**	**542**
Colorado	2,671	89
Montana	1,878	63
Utah	2,632	88
Wyoming	9,069	302
PAD District V, Total	**92,270**	**3,076**
Alaska [1]	60,584	2,019
South Alaska	1,308	44
North Slope	59,277	1,976
Arizona	10	(s)
California [1]	28,861	962
Nevada	275	9
Federal Offshore PAD District V	2,540	85
U.S. Total [1]	**236,847**	**7,895**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,076; California: State - 2,330; Louisiana: State - 1,604; Texas: State - 63; U.S. Total, Including Federal Offshore - 31,033.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Arkansas and Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, October 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,062**	**34**
Florida	573	18
New York	44	1
Pennsylvania	227	7
Virginia	3	(s)
West Virginia	214	7
PAD District II, Total	**24,532**	**791**
Illinois	1,790	58
Indiana	286	9
Kansas	4,765	154
Kentucky	440	14
Michigan	1,898	61
Missouri	11	(s)
Nebraska	532	17
North Dakota	3,292	106
Ohio	964	31
Oklahoma	10,370	335
South Dakota	139	4
Tennessee	46	1
PAD District III, Total	**111,198**	**3,587**
Alabama	1,706	55
Arkansas	1,091	35
Louisiana [1]	13,530	436
Mississippi	2,352	76
New Mexico	5,997	193
Texas [1]	61,450	1,982
Federal Offshore PAD District III	25,071	809
PAD District IV, Total	**16,772**	**541**
Colorado	2,758	89
Montana	1,911	62
Utah	2,719	88
Wyoming	9,385	303
PAD District V, Total	**95,140**	**3,069**
Alaska [1]	62,315	2,010
South Alaska	1,286	41
North Slope	61,028	1,969
Arizona	10	(s)
California [1]	29,837	962
Nevada	283	9
Federal Offshore PAD District V	2,695	87
U.S. Total [1]	**248,704**	**8,023**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,164; California: State - 2,331; Louisiana: State - 2,057; Texas: State - 128; U.S. Total, including Federal Offshore - 36,446.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Arkansas and Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, November 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,027**	**34**
Florida	573	19
New York	45	2
Pennsylvania	213	7
Virginia	2	(s)
West Virginia	194	6
PAD District II, Total	**23,708**	**790**
Illinois	1,779	59
Indiana	288	10
Kansas	4,569	152
Kentucky	445	15
Michigan	1,830	61
Missouri	14	(s)
Nebraska	516	17
North Dakota	3,146	105
Ohio	836	28
Oklahoma	10,100	337
South Dakota	134	4
Tennessee	53	2
PAD District III, Total	**108,138**	**3,605**
Alabama	1,691	56
Arkansas	1,071	36
Louisiana [1]	13,428	448
Mississippi	2,239	75
New Mexico	5,758	192
Texas [1]	59,159	1,972
Federal Offshore PAD District III	24,792	826
PAD District IV, Total	**15,954**	**532**
Colorado	2,649	88
Montana	1,837	61
Utah	2,562	85
Wyoming	8,907	297
PAD District V, Total	**91,873**	**3,062**
Alaska [1]	60,800	2,027
South Alaska	1,279	43
North Slope	59,520	1,984
Arizona	9	(s)
California [1]	28,237	941
Nevada	274	9
Federal Offshore PAD District V	2,553	85
U.S. Total [1]	**240,700**	**8,023**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,044; California: State - 2,208; Louisiana: State - 1,950; Texas: State - 118; U.S. Total, including Federal Offshore - 35,666.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Arkansas, Colorado, and Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 9. Production of Crude Oil by PAD District and State, December 1988
(Thousand Barrels)

PAD District and State	Total	Daily Average
PAD District I, Total	**1,065**	**34**
Florida	601	19
New York	42	1
Pennsylvania	207	7
Virginia	2	(s)
West Virginia	212	7
PAD District II, Total	**24,766**	**799**
Illinois	1,795	58
Indiana	296	10
Kansas	4,828	156
Kentucky	467	15
Michigan	1,886	61
Missouri	10	(s)
Nebraska	534	17
North Dakota	3,171	102
Ohio	934	30
Oklahoma	10,660	344
South Dakota	138	4
Tennessee	48	2
PAD District III, Total	**110,800**	**3,574**
Alabama	1,745	56
Arkansas	1,128	36
Louisiana [1]	13,721	443
Mississippi	2,324	75
New Mexico	5,915	191
Texas [1]	60,635	1,956
Federal Offshore PAD District III	25,332	817
PAD District IV, Total	**16,195**	**522**
Colorado	2,675	86
Montana	1,868	60
Utah	2,549	82
Wyoming	9,102	294
PAD District V, Total	**93,363**	**3,012**
Alaska [1]	61,862	1,996
South Alaska	1,349	44
North Slope	60,513	1,952
Arizona	9	(s)
California [1]	28,718	926
Nevada	275	9
Federal Offshore PAD District V	2,499	81
U.S. Total [1]	**246,189**	**7,942**

[1] Includes the following offshore production (thousand barrels): Alaska: State - 4,167; California: State - 2,272; Louisiana: State - 2,076; Texas: State - 142; U.S. Total, including Federal Offshore - 36,488.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: • The EIA did not receive revised crude oil production data from the following states and/or areas in time for publication: Alabama, Arizona, California, Kentucky, North Dakota, and PAD District V Federal Offshore. • Annual crude oil production data for Michigan, New York, and Ohio was prorated by month based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report" for these states. • Monthly crude oil production data for Arkansas, Colorado, Louisiana, and Pennsylvania was estimated based on first purchaser monthly crude oil volumes collected on Form EIA-182, "Domestic Crude Oil First Purchase Report." • Totals may not equal sum of components due to independent rounding.

Source: State Conservation Agencies and the U.S. Minerals Management Service.

Table 16. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, January 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**219**	**404**	**623**	**762**	**458**	**7,074**	**8,294**	**18,668**	**2,706**	**7,288**	**598**	**3,917**	**33,177**	**3,673**	**3,048**	**48,815**
Pentanes Plus	44	54	98	153	113	1,159	1,425	3,237	251	1,248	168	526	5,430	772	1,558	9,283
Liquefied Petroleum Gases	175	350	525	609	345	5,915	6,869	15,431	2,455	6,040	430	3,391	27,747	2,901	1,490	39,532
Ethane	39	71	110	136	1	1,481	1,618	6,318	839	2,641	78	1,399	11,275	758	1	13,762
Propane	82	188	270	283	214	2,850	3,347	5,843	1,221	1,983	185	1,265	10,497	1,373	402	15,889
Normal Butane	43	69	112	95	123	1,096	1,314	2,353	-1,098	703	116	482	2,556	553	807	5,342
Isobutane	11	22	33	95	7	488	590	917	1,493	713	51	245	3,419	217	280	4,539
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**5**	**6**	**37**	**49**	**4**	**25**	**0**	**115**	**3**	**0**	**124**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	40	4	0	0	44	0	0	44
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	5	6	36	0	0	25	0	61	3	0	70
Total Production	**219**	**404**	**623**	**763**	**458**	**7,079**	**8,300**	**18,705**	**2,755**	**7,292**	**623**	**3,917**	**33,292**	**3,676**	**3,048**	**48,939**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, February 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**238**	**558**	**796**	**718**	**425**	**7,212**	**8,355**	**17,681**	**2,335**	**6,858**	**572**	**3,647**	**31,093**	**3,576**	**2,612**	**46,432**
Pentanes Plus	41	66	107	145	98	1,110	1,353	3,073	190	1,188	165	460	5,076	780	1,306	8,622
Liquefied Petroleum Gases	197	492	689	573	327	6,102	7,002	14,608	2,145	5,670	407	3,187	26,017	2,796	1,306	37,810
Ethane	56	167	223	117	1	1,737	1,855	6,036	620	2,500	70	1,382	10,608	714	3	13,403
Propane	88	222	310	268	200	2,840	3,308	5,474	1,110	1,863	183	1,157	9,787	1,332	360	15,097
Normal Butane	40	71	111	92	120	974	1,186	2,241	-761	657	106	426	2,669	531	697	5,194
Isobutane	13	32	45	96	6	551	653	857	1,176	650	48	222	2,953	219	246	4,116
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**7**	**8**	**35**	**49**	**0**	**21**	**0**	**105**	**2**	**0**	**115**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	8	0	0	0	9	0	0	9
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	8
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	41	0	0	0	41	0	0	41
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	7	8	34	0	0	21	0	55	2	0	65
Total Production	**238**	**558**	**796**	**719**	**425**	**7,219**	**8,363**	**17,716**	**2,384**	**6,858**	**593**	**3,647**	**31,198**	**3,578**	**2,612**	**46,547**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, March 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**256**	**616**	**872**	**788**	**463**	**8,148**	**9,399**	**19,029**	**2,694**	**7,320**	**616**	**3,843**	**33,502**	**3,842**	**3,000**	**50,615**
Pentanes Plus	45	75	120	148	108	1,176	1,432	3,376	198	1,266	183	499	5,522	818	1,559	9,451
Liquefied Petroleum Gases	211	541	752	640	355	6,972	7,967	15,653	2,496	6,054	433	3,344	27,980	3,024	1,441	41,164
Ethane	56	181	237	131	0	2,324	2,455	6,386	1,048	2,636	53	1,432	11,555	825	2	15,074
Propane	99	245	344	306	219	3,057	3,582	5,890	1,227	2,029	207	1,232	10,585	1,401	375	16,287
Normal Butane	43	79	122	103	130	1,001	1,234	2,469	-1,146	705	122	449	2,599	554	780	5,289
Isobutane	13	36	49	100	6	590	696	908	1,367	684	51	231	3,241	244	284	4,514
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**39**	**52**	**0**	**14**	**0**	**105**	**2**	**0**	**110**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	43	0	0	0	43	0	0	43
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	38	0	0	14	0	52	2	0	57
Total Production	**256**	**616**	**872**	**789**	**463**	**8,150**	**9,402**	**19,068**	**2,746**	**7,320**	**630**	**3,843**	**33,607**	**3,844**	**3,000**	**50,725**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, April 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**243**	**579**	**822**	**752**	**455**	**8,092**	**9,299**	**18,834**	**2,728**	**6,777**	**629**	**3,103**	**32,071**	**3,646**	**2,570**	**48,408**
Pentanes Plus	45	71	116	140	109	1,135	1,384	3,385	276	1,166	177	420	5,424	764	1,271	8,959
Liquefied Petroleum Gases	198	508	706	612	346	6,957	7,915	15,449	2,452	5,611	452	2,683	26,647	2,882	1,299	39,449
Ethane	55	179	234	124	1	2,540	2,665	6,421	1,154	2,489	101	1,196	11,361	803	1	15,064
Propane	91	227	318	289	210	2,905	3,404	5,735	1,335	1,899	186	960	10,115	1,322	369	15,528
Normal Butane	41	71	112	103	129	961	1,193	2,402	-1,432	598	115	354	2,037	525	672	4,539
Isobutane	11	31	42	96	6	551	653	891	1,395	625	50	173	3,134	232	257	4,318
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**44**	**54**	**7**	**11**	**0**	**116**	**2**	**0**	**121**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	8	0	0	0	9	0	0	9
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	8
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	46	7	0	0	53	0	0	53
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	43	0	0	11	0	54	2	0	59
Total Production	**243**	**579**	**822**	**753**	**455**	**8,094**	**9,302**	**18,878**	**2,782**	**6,784**	**640**	**3,103**	**32,187**	**3,648**	**2,570**	**48,529**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, May 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**280**	**586**	**866**	**770**	**459**	**8,594**	**9,823**	**19,436**	**2,909**	**6,308**	**563**	**3,757**	**32,973**	**3,886**	**2,776**	**50,324**
Pentanes Plus	56	75	131	138	119	1,188	1,445	3,583	234	1,104	152	495	5,568	809	1,417	9,370
Liquefied Petroleum Gases	224	511	735	632	340	7,406	8,378	15,853	2,675	5,204	411	3,262	27,405	3,077	1,359	40,954
Ethane	60	171	231	127	1	2,818	2,946	6,664	970	2,226	97	1,513	11,470	977	2	15,626
Propane	99	233	332	298	205	3,046	3,549	5,827	1,130	1,791	157	1,122	10,027	1,315	365	15,588
Normal Butane	51	73	124	107	128	992	1,227	2,466	-896	524	99	416	2,609	543	737	5,240
Isobutane	14	34	48	100	6	550	656	896	1,471	663	58	211	3,299	242	255	4,500
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**3**	**4**	**46**	**53**	**0**	**11**	**0**	**110**	**4**	**0**	**118**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	44	0	0	0	44	0	0	44
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	3	4	45	0	0	11	0	56	4	0	64
Total Production	**280**	**586**	**866**	**771**	**459**	**8,597**	**9,827**	**19,482**	**2,962**	**6,308**	**574**	**3,757**	**33,083**	**3,890**	**2,776**	**50,442**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, June 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**263**	**518**	**781**	**762**	**440**	**7,911**	**9,113**	**18,558**	**3,211**	**6,195**	**616**	**3,506**	**32,086**	**3,707**	**2,658**	**48,345**
Pentanes Plus	48	73	121	143	128	1,152	1,423	3,417	258	1,178	166	485	5,504	744	1,337	9,129
Liquefied Petroleum Gases	215	445	660	619	312	6,759	7,690	15,141	2,953	5,017	450	3,021	26,582	2,963	1,321	39,216
Ethane	63	171	234	128	1	2,703	2,832	6,361	1,201	2,024	102	1,385	11,073	961	2	15,102
Propane	90	184	274	290	181	2,678	3,149	5,548	1,112	1,793	184	1,046	9,683	1,259	352	14,717
Normal Butane	52	64	116	105	124	866	1,095	2,356	-822	538	118	399	2,589	515	717	5,032
Isobutane	10	26	36	96	6	512	614	876	1,462	662	46	191	3,237	228	250	4,365
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**3**	**4**	**52**	**55**	**3**	**14**	**0**	**124**	**4**	**0**	**132**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	46	3	0	0	49	0	0	49
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	3	4	51	0	0	14	0	65	4	0	73
Total Production	**263**	**518**	**781**	**763**	**440**	**7,914**	**9,117**	**18,610**	**3,266**	**6,198**	**630**	**3,506**	**32,210**	**3,711**	**2,658**	**48,477**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, July 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**282**	**590**	**872**	**765**	**457**	**8,386**	**9,608**	**19,113**	**3,089**	**6,587**	**663**	**3,727**	**33,179**	**3,734**	**2,661**	**50,054**
Pentanes Plus	57	75	132	143	129	1,254	1,526	3,719	207	1,234	185	506	5,851	756	1,385	9,650
Liquefied Petroleum Gases	225	515	740	622	328	7,132	8,082	15,394	2,882	5,353	478	3,221	27,328	2,978	1,276	40,404
Ethane	87	175	262	132	1	2,814	2,947	6,366	1,009	2,246	112	1,550	11,283	938	2	15,432
Propane	83	224	307	286	191	2,850	3,327	5,688	1,248	1,852	189	1,082	10,059	1,273	340	15,306
Normal Butane	46	87	133	107	128	941	1,176	2,429	-947	562	126	397	2,567	527	694	5,097
Isobutane	9	29	38	97	8	527	632	911	1,572	693	51	192	3,419	240	240	4,569
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**31**	**50**	**1**	**13**	**0**	**95**	**4**	**0**	**102**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	41	1	0	0	42	0	0	42
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	30	0	0	13	0	43	4	0	50
Total Production	**282**	**590**	**872**	**766**	**457**	**8,388**	**9,611**	**19,144**	**3,139**	**6,588**	**676**	**3,727**	**33,274**	**3,738**	**2,661**	**50,156**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, August 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**287**	**625**	**912**	**745**	**466**	**8,188**	**9,399**	**18,890**	**3,116**	**6,948**	**680**	**3,654**	**33,288**	**3,677**	**2,701**	**49,977**
Pentanes Plus	60	77	137	154	124	1,254	1,532	3,653	287	1,291	200	521	5,952	721	1,391	9,733
Liquefied Petroleum Gases	227	548	775	591	342	6,934	7,867	15,237	2,829	5,657	480	3,133	27,336	2,956	1,310	40,244
Ethane	84	190	274	126	1	2,666	2,793	6,290	993	2,435	107	1,440	11,265	971	2	15,305
Propane	87	245	332	278	200	2,793	3,271	5,609	1,185	1,936	197	1,076	10,003	1,247	357	15,210
Normal Butane	45	85	130	91	134	930	1,155	2,428	–880	576	127	415	2,666	513	707	5,171
Isobutane	11	28	39	96	7	545	648	910	1,531	710	49	202	3,402	225	244	4,558
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**51**	**50**	**0**	**11**	**0**	**112**	**4**	**0**	**119**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	41	0	0	0	41	0	0	41
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	50	0	0	11	0	61	4	0	68
Total Production	**287**	**625**	**912**	**746**	**466**	**8,190**	**9,402**	**18,941**	**3,166**	**6,948**	**691**	**3,654**	**33,400**	**3,681**	**2,701**	**50,096**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, September 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**265**	**616**	**881**	**693**	**357**	**8,231**	**9,281**	**18,384**	**3,048**	**6,218**	**673**	**3,660**	**31,983**	**3,727**	**2,650**	**48,522**
Pentanes Plus	47	68	115	127	91	1,195	1,413	3,476	330	1,124	188	497	5,615	680	1,359	9,182
Liquefied Petroleum Gases	218	548	766	566	266	7,036	7,868	14,908	2,718	5,094	485	3,163	26,368	3,047	1,291	39,340
Ethane	83	191	274	112	0	2,825	2,937	6,172	1,126	2,251	113	1,473	11,135	1,065	1	15,412
Propane	89	238	327	266	158	2,755	3,179	5,527	1,023	1,721	201	1,078	9,550	1,261	339	14,656
Normal Butane	40	86	126	110	102	950	1,162	2,333	-1,022	521	120	407	2,359	508	708	4,863
Isobutane	6	33	39	78	6	506	590	876	1,591	601	51	205	3,324	213	243	4,409
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**48**	**39**	**4**	**10**	**0**	**101**	**4**	**0**	**108**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	30	3	0	0	33	0	0	33
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	47	0	1	10	0	58	4	0	65
Total Production	**265**	**616**	**881**	**694**	**357**	**8,233**	**9,284**	**18,432**	**3,087**	**6,222**	**683**	**3,660**	**32,084**	**3,731**	**2,650**	**48,630**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, October 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**214**	**607**	**821**	**684**	**399**	**8,564**	**9,647**	**19,124**	**3,033**	**7,379**	**676**	**3,757**	**33,969**	**4,231**	**2,703**	**51,371**
Pentanes Plus	28	71	99	133	100	1,234	1,467	3,505	114	1,314	182	434	5,549	784	1,393	9,292
Liquefied Petroleum Gases	186	536	722	551	299	7,330	8,180	15,619	2,919	6,065	494	3,323	28,420	3,447	1,310	42,079
Ethane	74	195	269	100	0	2,784	2,884	6,543	1,155	2,715	120	1,680	12,213	1,240	1	16,607
Propane	73	234	307	270	175	2,992	3,437	5,788	1,226	2,021	204	1,081	10,320	1,414	357	15,835
Normal Butane	35	74	109	97	118	1,040	1,255	2,400	-964	686	120	376	2,618	541	719	5,242
Isobutane	4	33	37	84	6	514	604	888	1,502	643	50	186	3,269	252	233	4,395
Finished Petroleum Products	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**60**	**46**	**3**	**10**	**0**	**119**	**3**	**0**	**125**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	37	2	0	0	39	0	0	39
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	1	0	2	3	59	0	1	10	0	70	3	0	76
Total Production	**214**	**607**	**821**	**685**	**399**	**8,566**	**9,650**	**19,184**	**3,079**	**7,382**	**686**	**3,757**	**34,088**	**4,234**	**2,703**	**51,496**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, November 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**230**	**620**	**850**	**801**	**430**	**8,166**	**9,397**	**18,371**	**2,779**	**7,534**	**655**	**3,761**	**33,100**	**3,976**	**2,558**	**49,881**
Pentanes Plus	32	73	105	151	105	1,149	1,405	3,282	160	1,330	175	419	5,366	762	1,335	8,973
Liquefied Petroleum Gases	198	547	745	650	325	7,017	7,992	15,089	2,619	6,204	480	3,342	27,734	3,214	1,223	40,908
Ethane	81	176	257	141	0	2,613	2,754	6,349	1,158	2,796	114	1,685	12,102	1,126	1	16,240
Propane	71	254	325	302	197	2,908	3,407	5,575	1,153	2,043	198	1,096	10,065	1,319	330	15,446
Normal Butane	46	84	130	106	122	973	1,201	2,301	-1,063	735	121	372	2,466	529	657	4,983
Isobutane	0	33	33	101	6	523	630	864	1,371	630	47	189	3,101	240	235	4,239
Finished Petroleum Products	**0**	**0**	**0**	**2**	**0**	**2**	**4**	**50**	**44**	**1**	**10**	**0**	**105**	**3**	**0**	**112**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	9	0	0	0	10	0	0	10
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	35	1	0	0	36	0	0	36
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	2	0	2	4	49	0	0	10	0	59	3	0	66
Total Production	**230**	**620**	**850**	**803**	**430**	**8,168**	**9,401**	**18,421**	**2,823**	**7,535**	**665**	**3,761**	**33,205**	**3,979**	**2,558**	**49,993**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 10. Natural Gas Processing Plant Net Production of Petroleum Products by PAD District, December 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Natural Gas Liquids	**190**	**685**	**875**	**756**	**435**	**8,490**	**9,681**	**18,410**	**2,798**	**7,510**	**697**	**3,866**	**33,281**	**4,141**	**2,561**	**50,539**
Pentanes Plus	24	79	103	142	105	1,210	1,457	3,187	206	1,318	174	436	5,321	833	1,349	9,063
Liquefied Petroleum Gases	166	606	772	614	330	7,280	8,224	15,223	2,592	6,192	523	3,430	27,960	3,308	1,212	41,476
Ethane	52	200	252	135	1	2,596	2,732	6,467	1,133	2,786	131	1,679	12,196	1,147	1	16,328
Propane	65	280	345	283	203	3,057	3,543	5,589	1,234	2,050	214	1,134	10,221	1,367	339	15,815
Normal Butane	44	91	135	102	120	1,158	1,380	2,302	-950	709	126	404	2,591	560	642	5,308
Isobutane	5	35	40	94	6	469	569	865	1,175	647	52	213	2,952	234	230	4,025
Finished Petroleum Products	**0**	**0**	**0**	**3**	**0**	**3**	**6**	**55**	**43**	**3**	**15**	**0**	**116**	**1**	**0**	**123**
Finished Motor Gasoline	0	0	0	0	0	0	0	1	8	0	0	0	9	0	0	9
Finished Leaded Motor Gasoline	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	8
Finished Unleaded Motor Gasoline	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Finished Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	0	0	0	0	0	0	0	0	35	2	0	0	37	0	0	37
Special Naphthas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	3	0	3	6	54	0	1	15	0	70	1	0	77
Total Production	**190**	**685**	**875**	**759**	**435**	**8,493**	**9,687**	**18,465**	**2,841**	**7,513**	**712**	**3,866**	**33,397**	**4,142**	**2,561**	**50,662**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, January 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**37,665**	**3,057**	**40,722**	**57,762**	**8,612**	**18,870**	**85,244**	**12,938**	**91,764**	**71,889**	**5,442**	**2,033**	**184,066**	**13,060**	**77,413**	**400,505**
Natural Gas Liquids																
Pentanes Plus	21	1	22	513	77	407	997	885	1,889	577	118	115	3,584	109	946	5,658
Liquefied Petroleum Gases	175	71	246	2,282	332	771	3,385	835	2,270	2,889	143	86	6,223	650	1,376	11,880
Ethane	0	0	0	0	0	0	0	0	0	40	0	0	40	0	0	40
Propane	0	0	0	69	0	0	69	0	132	30	0	2	164	0	9	242
Normal Butane	103	71	174	1,460	258	383	2,101	545	1,367	1,700	61	44	3,717	547	1,095	7,634
Isobutane	72	0	72	753	74	388	1,215	290	771	1,119	82	40	2,302	103	272	3,964
Other Liquids																
Other Hydrocarbons and Alcohol	18	0	18	50	2	23	75	0	433	455	0	12	900	27	402	1,422
Unfinished Oil (net)	4,616	275	4,891	-214	38	-35	-211	20	8,869	1,493	63	-4	10,441	-144	606	15,583
Motor Gasoline Blending Components (net)	1,344	-10	1,334	1,388	-32	96	1,452	288	-546	495	60	12	309	-202	-399	2,494
Aviation Gasoline Blending Components (net)	0	0	0	4	0	-1	3	0	0	19	0	0	19	0	-21	1
Total Input to Refineries	**43,839**	**3,394**	**47,233**	**61,785**	**9,029**	**20,131**	**90,945**	**14,966**	**104,679**	**77,817**	**5,826**	**2,254**	**205,542**	**13,500**	**80,323**	**437,543**
Crude Oil Distillation																
Gross Input (daily average)	1,217	100	1,317	1,868	280	609	2,758	420	3,024	2,380	175	66	6,066	426	2,609	13,175
Operable Capacity (daily average)	1,369	108	1,477	2,235	312	734	3,281	581	3,558	2,974	255	76	7,443	540	3,174	15,915
Operating Ratio (percent)[1]	88.9	92.7	89.2	83.6	89.6	83.0	84.0	72.4	85.0	80.0	68.9	87.1	81.5	78.9	82.2	82.8
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	553	14	567	591	99	199	889	160	1,158	761	29	23	2,131	147	612	4,346
Catalytic Hydrocracking	41	3	44	78	0	5	82	0	122	187	0	0	308	6	434	874
Cokers	76	0	76	149	55	67	270	7	197	337	10	0	550	19	469	1,384
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.01	.48	.97	.99	2.07	.54	1.00	.53	.94	1.26	1.38	.87	1.05	.82	1.11	1.04
API Gravity, Weighted Average	31.94	39.68	32.52	35.56	30.26	37.81	35.53	39.00	34.27	31.21	33.81	39.75	33.47	36.32	25.04	32.22
Operable Capacity (daily average)	**1,369**	**108**	**1,477**	**2,235**	**312**	**734**	**3,281**	**581**	**3,558**	**2,974**	**255**	**76**	**7,443**	**540**	**3,174**	**15,915**
Operating	1,314	108	1,422	2,158	312	704	3,174	517	3,386	2,615	248	76	6,841	526	3,055	15,018
Idle	55	0	55	77	0	30	107	64	172	359	7	0	602	14	120	897
Alaskan Crude Oil Receipts	**230**	**0**	**230**	**423**	**0**	**0**	**423**	**0**	**5,777**	**9,167**	**0**	**0**	**14,944**	**0**	**42,766**	**58,363**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, February 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**35,039**	**2,782**	**37,821**	**55,085**	**8,222**	**17,480**	**80,787**	**12,313**	**80,005**	**66,927**	**4,900**	**1,974**	**166,119**	**12,328**	**69,616**	**366,671**
Natural Gas Liquids																
Pentanes Plus	34	0	34	383	53	599	1,035	879	1,906	624	134	113	3,656	94	725	5,544
Liquefied Petroleum Gases	97	17	114	2,182	299	810	3,291	717	1,787	2,793	132	74	5,503	538	1,175	10,621
Ethane	0	0	0	0	0	0	0	0	0	49	0	0	49	0	0	49
Propane	0	0	0	50	0	0	50	1	143	30	0	2	176	0	6	232
Normal Butane	78	17	95	1,303	238	417	1,958	467	937	1,450	55	37	2,946	434	811	6,244
Isobutane	19	0	19	829	61	393	1,283	249	707	1,264	77	35	2,332	104	358	4,096
Other Liquids																
Other Hydrocarbons and Alcohol	30	0	30	87	1	11	99	0	282	377	0	13	672	28	409	1,238
Unfinished Oil (net)	4,759	245	5,004	–192	–87	472	193	32	5,590	–437	–35	8	5,158	–362	972	10,965
Motor Gasoline Blending Components (net)	1,147	29	1,176	1,179	233	–55	1,357	457	38	1,328	–27	24	1,820	–271	16	4,098
Aviation Gasoline Blending Components (net)	0	0	0	1	0	–6	–5	0	0	0	0	0	0	0	5	0
Total Input to Refineries	**41,106**	**3,073**	**44,179**	**58,725**	**8,721**	**19,311**	**86,757**	**14,398**	**89,608**	**71,612**	**5,104**	**2,206**	**182,928**	**12,355**	**72,918**	**399,137**
Crude Oil Distillation																
Gross Input (daily average)	1,213	95	1,308	1,904	281	604	2,789	429	2,827	2,370	165	68	5,859	424	2,509	12,889
Operable Capacity (daily average)	1,369	108	1,477	2,233	312	734	3,280	583	3,578	2,974	255	76	7,465	540	3,180	15,942
Operating Ratio (percent)[1]	88.6	88.4	88.5	85.3	90.1	82.2	85.0	73.6	79.0	79.7	64.9	90.1	78.5	78.5	78.9	80.9
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	554	14	567	656	102	215	972	162	1,085	707	28	23	2,005	147	634	4,325
Catalytic Hydrocracking	55	3	59	103	0	4	107	0	144	147	0	0	292	6	377	840
Cokers	67	0	67	152	48	70	271	8	190	376	12	0	586	17	431	1,371
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.84	.68	.83	.97	2.12	.54	.99	.71	1.03	1.31	1.37	.81	1.13	.82	1.11	1.05
API Gravity, Weighted Average	32.41	38.96	32.90	35.50	30.29	37.80	35.47	38.50	33.88	30.28	34.52	40.54	32.86	35.88	25.23	32.07
Operable Capacity (daily average)	**1,369**	**108**	**1,477**	**2,233**	**312**	**734**	**3,280**	**583**	**3,578**	**2,974**	**255**	**76**	**7,465**	**540**	**3,180**	**15,942**
Operating	1,314	108	1,422	2,157	312	704	3,173	519	3,343	2,588	238	76	6,763	526	3,038	14,922
Idle	55	0	55	77	0	30	107	64	236	386	17	0	702	14	142	1,020
Alaskan Crude Oil Receipts	**1,241**	**0**	**1,241**	**688**	**0**	**0**	**688**	**0**	**8,050**	**6,513**	**0**	**0**	**14,563**	**0**	**35,136**	**51,628**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, March 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**35,809**	**3,136**	**38,945**	**60,526**	**9,012**	**19,422**	**88,960**	**14,915**	**91,423**	**71,429**	**5,355**	**2,215**	**185,337**	**12,583**	**77,679**	**403,504**
Natural Gas Liquids																
Pentanes Plus	33	0	33	556	130	648	1,334	1,009	1,730	752	158	120	3,769	148	965	6,249
Liquefied Petroleum Gases	96	16	112	1,984	218	605	2,807	517	1,394	2,400	114	59	4,484	592	1,047	9,042
Ethane	0	0	0	0	0	0	0	0	0	71	0	0	71	0	0	71
Propane	0	0	0	69	0	0	69	0	116	43	0	1	160	0	1	230
Normal Butane	36	16	52	907	141	271	1,319	283	548	1,065	32	26	1,954	502	723	4,550
Isobutane	60	0	60	1,008	77	334	1,419	234	730	1,221	82	32	2,299	90	323	4,191
Other Liquids																
Other Hydrocarbons and Alcohol	22	0	22	486	1	24	511	0	399	458	37	21	915	5	368	1,821
Unfinished Oil (net)	4,525	252	4,777	-1,476	40	95	-1,341	-96	6,549	-1,724	60	-77	4,712	372	1,146	9,666
Motor Gasoline Blending Components (net)	1,492	-49	1,443	690	-133	-44	513	-60	-545	1,084	54	-5	525	212	798	3,494
Aviation Gasoline Blending Components (net)	0	0	0	36	0	3	39	0	0	11	0	0	11	0	24	74
Total Input to Refineries	**41,977**	**3,355**	**45,332**	**62,802**	**9,268**	**20,753**	**92,823**	**16,285**	**100,950**	**74,410**	**5,778**	**2,333**	**199,756**	**13,912**	**82,027**	**433,850**
Crude Oil Distillation																
Gross Input (daily average)	1,142	100	1,242	1,965	291	625	2,881	485	2,999	2,363	169	72	6,088	411	2,619	13,241
Operable Capacity (daily average)	1,352	108	1,460	2,229	312	734	3,276	587	3,578	2,947	255	76	7,442	534	3,176	15,888
Operating Ratio (percent)[1]	84.4	93.2	85.1	88.1	93.2	85.1	87.9	82.6	83.8	80.2	66.6	95.5	81.8	76.8	82.5	83.3
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	516	17	533	619	105	207	931	165	1,149	684	27	24	2,048	139	682	4,334
Catalytic Hydrocracking	64	3	67	126	0	4	130	0	250	150	0	0	400	5	334	935
Cokers	74	0	74	153	53	64	271	9	177	361	13	0	560	17	470	1,392
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.96	.62	.93	.90	1.99	.56	.94	.79	1.00	1.28	1.40	.76	1.10	.83	1.10	1.04
API Gravity, Weighted Average	30.64	39.84	31.39	35.56	30.62	37.69	35.52	38.50	33.58	30.59	34.09	40.56	32.90	36.34	25.01	31.85
Operable Capacity (daily average)	**1,352**	**108**	**1,460**	**2,229**	**312**	**734**	**3,276**	**587**	**3,578**	**2,947**	**255**	**76**	**7,442**	**534**	**3,176**	**15,888**
Operating	1,342	108	1,450	2,153	312	691	3,156	523	3,406	2,588	248	76	6,840	534	3,035	15,015
Idle	10	0	10	77	0	43	120	64	172	359	7	0	602	(s)	141	873
Alaskan Crude Oil Receipts	**832**	**0**	**832**	**1,341**	**0**	**0**	**1,341**	**0**	**6,436**	**7,637**	**0**	**0**	**14,073**	**0**	**42,114**	**58,360**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, April 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**31,743**	**2,185**	**33,928**	**58,109**	**8,936**	**19,568**	**86,613**	**14,866**	**94,010**	**66,309**	**5,002**	**2,042**	**182,229**	**12,914**	**78,369**	**394,053**
Natural Gas Liquids																
Pentanes Plus	43	1	44	394	49	408	851	987	1,637	495	172	146	3,437	60	811	5,203
Liquefied Petroleum Gases	93	0	93	1,771	135	466	2,372	502	1,453	2,330	108	45	4,438	408	988	8,299
Ethane	0	0	0	0	0	0	0	0	0	68	0	0	68	0	0	68
Propane	0	0	0	70	0	0	70	0	117	42	0	2	161	0	0	231
Normal Butane	21	0	21	715	78	112	905	207	456	1,034	30	13	1,740	317	664	3,647
Isobutane	72	0	72	986	57	354	1,397	295	880	1,186	78	30	2,469	91	324	4,353
Other Liquids																
Other Hydrocarbons and Alcohol	57	0	57	156	1	11	168	1	376	351	0	22	750	6	213	1,194
Unfinished Oil (net)	5,541	192	5,733	682	-121	-274	287	126	8,569	683	-18	-20	9,340	-492	180	15,048
Motor Gasoline Blending Components (net)	2,153	-55	2,098	1,239	-86	228	1,381	-91	-638	531	7	-17	-208	296	497	4,064
Aviation Gasoline Blending Components (net)	0	0	0	27	0	5	32	0	0	0	0	0	0	0	-10	22
Total Input to Refineries	**39,630**	**2,323**	**41,953**	**62,378**	**8,914**	**20,412**	**91,704**	**16,391**	**105,407**	**70,699**	**5,271**	**2,218**	**199,986**	**13,192**	**81,048**	**427,883**
Crude Oil Distillation																
Gross Input (daily average)	1,062	73	1,135	1,941	298	654	2,893	498	3,165	2,256	165	68	6,153	432	2,734	13,346
Operable Capacity (daily average)	1,352	108	1,460	2,229	312	734	3,276	587	3,578	2,947	255	76	7,442	534	3,176	15,888
Operating Ratio (percent)[1]	78.5	67.7	77.7	87.1	95.6	89.1	88.3	84.9	88.4	76.6	64.9	90.3	82.7	80.8	86.1	84.0
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	508	6	514	639	101	223	964	190	1,249	704	28	23	2,193	130	695	4,496
Catalytic Hydrocracking	53	3	56	123	0	5	129	0	191	189	0	0	380	3	365	932
Cokers	61	0	61	134	58	66	259	10	214	282	10	0	515	18	433	1,285
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	.83	.49	.81	1.02	2.24	.53	1.04	.85	.97	1.28	1.38	.79	1.08	.74	1.12	1.04
API Gravity, Weighted Average	31.37	39.20	31.89	35.00	30.40	37.46	35.08	38.16	33.77	31.28	33.63	40.21	33.30	36.60	25.04	32.01
Operable Capacity (daily average)	**1,352**	**108**	**1,460**	**2,229**	**312**	**734**	**3,276**	**587**	**3,578**	**2,947**	**255**	**76**	**7,442**	**534**	**3,176**	**15,888**
Operating	1,284	108	1,391	2,154	312	704	3,170	528	3,406	2,588	248	76	6,845	534	3,047	14,986
Idle	69	0	69	76	0	30	106	59	172	359	7	0	597	(s)	129	902
Alaskan Crude Oil Receipts	**1,102**	**0**	**1,102**	**1,167**	**0**	**0**	**1,167**	**0**	**5,345**	**4,717**	**0**	**0**	**10,062**	**0**	**41,112**	**53,443**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, May 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**35,605**	**3,125**	**38,730**	**60,114**	**9,309**	**21,585**	**91,008**	**15,320**	**97,822**	**69,735**	**5,730**	**2,022**	**190,629**	**14,975**	**80,825**	**416,167**
Natural Gas Liquids																
Pentanes Plus	40	0	40	393	0	593	986	1,029	1,846	577	174	126	3,752	83	934	5,795
Liquefied Petroleum Gases	124	17	141	1,557	101	550	2,208	485	1,559	2,419	96	43	4,602	386	1,261	8,598
Ethane	0	0	0	0	0	0	0	0	21	69	0	0	90	0	0	90
Propane	0	0	0	70	0	0	70	3	127	44	0	2	176	0	0	246
Normal Butane	47	17	64	425	40	116	581	153	480	1,087	12	3	1,735	282	766	3,428
Isobutane	77	0	77	1,062	61	434	1,557	329	931	1,219	84	38	2,601	104	495	4,834
Other Liquids																
Other Hydrocarbons and Alcohol	66	0	66	209	1	10	220	0	302	436	0	18	756	5	425	1,472
Unfinished Oil (net)	3,307	127	3,434	1,537	-48	394	1,883	-657	5,921	258	19	-13	5,528	-482	-3,554	6,809
Motor Gasoline Blending Components (net)	1,796	46	1,842	-31	28	-98	-101	-25	-990	157	-30	17	-871	27	510	1,407
Aviation Gasoline Blending Components (net)	0	0	0	93	0	-10	83	0	0	-13	0	0	-13	0	-8	62
Total Input to Refineries	**40,938**	**3,315**	**44,253**	**63,872**	**9,391**	**23,024**	**96,287**	**16,152**	**106,460**	**73,569**	**5,989**	**2,213**	**204,383**	**14,994**	**80,393**	**440,310**
Crude Oil Distillation																
Gross Input (daily average)	1,153	101	1,254	1,946	300	698	2,944	497	3,203	2,311	181	66	6,258	484	2,698	13,638
Operable Capacity (daily average)	1,352	109	1,462	2,249	312	734	3,296	587	3,578	2,947	255	76	7,442	534	3,176	15,909
Operating Ratio (percent)[1]	85.3	92.4	85.8	86.5	96.2	95.1	89.3	84.7	89.5	78.4	71.2	87.0	84.1	90.6	85.0	85.7
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	470	16	486	665	91	238	994	186	1,233	734	31	22	2,205	152	635	4,472
Catalytic Hydrocracking	60	0	60	126	0	5	131	0	186	181	0	0	367	3	343	904
Cokers	68	0	68	146	56	69	270	10	210	338	12	0	569	12	470	1,389
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.21	.61	1.16	.95	2.28	.54	.99	.83	.94	1.37	1.33	.75	1.10	.79	1.08	1.06
API Gravity, Weighted Average	29.99	38.58	30.67	34.93	29.80	37.21	34.95	38.41	34.06	30.87	33.96	40.56	33.32	36.09	25.79	32.05
Operable Capacity (daily average)	**1,352**	**109**	**1,462**	**2,249**	**312**	**734**	**3,296**	**587**	**3,578**	**2,947**	**255**	**76**	**7,442**	**534**	**3,176**	**15,909**
Operating	1,339	109	1,449	2,184	312	704	3,200	512	3,337	2,588	238	76	6,750	534	3,047	14,979
Idle	13	0	13	66	0	30	96	75	241	359	17	0	692	(s)	129	930
Alaskan Crude Oil Receipts	**760**	**0**	**760**	**1,760**	**0**	**149**	**1,909**	**0**	**3,940**	**5,816**	**312**	**0**	**10,068**	**0**	**41,913**	**54,650**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, June 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**36,805**	**3,119**	**39,924**	**59,074**	**9,576**	**21,000**	**89,650**	**15,015**	**93,772**	**64,661**	**5,642**	**2,057**	**181,147**	**14,827**	**79,051**	**404,599**
Natural Gas Liquids																
Pentanes Plus	64	0	64	375	58	650	1,083	971	1,641	634	188	105	3,539	63	803	5,552
Liquefied Petroleum Gases	75	18	93	1,570	43	459	2,072	435	1,433	2,063	95	56	4,082	415	1,011	7,673
Ethane	0	0	0	0	0	0	0	0	0	57	0	0	57	0	0	57
Propane	0	0	0	77	0	0	77	0	128	41	0	4	173	18	0	268
Normal Butane	35	18	53	371	13	52	436	121	530	915	12	12	1,590	283	561	2,923
Isobutane	40	0	40	1,122	30	407	1,559	314	775	1,050	83	40	2,262	114	450	4,425
Other Liquids																
Other Hydrocarbons and Alcohol	73	0	73	279	1	0	280	0	410	393	0	16	819	2	271	1,445
Unfinished Oil (net)	4,338	228	4,566	-479	79	224	-176	-334	6,402	3,207	132	27	9,434	84	-1,118	12,790
Motor Gasoline Blending Components (net)	2,203	-7	2,196	1,039	144	79	1,262	127	-528	-336	61	59	-617	398	296	3,535
Aviation Gasoline Blending Components (net)	0	0	0	-26	0	1	-25	0	0	-4	0	0	-4	0	15	-14
Total Input to Refineries	**43,558**	**3,358**	**46,916**	**61,832**	**9,901**	**22,413**	**94,146**	**16,214**	**103,130**	**70,618**	**6,118**	**2,320**	**198,400**	**15,789**	**80,329**	**435,580**
Crude Oil Distillation																
Gross Input (daily average)	1,233	104	1,337	1,978	321	703	3,002	504	3,191	2,201	185	68	6,148	496	2,726	13,710
Operable Capacity (daily average)	1,352	109	1,462	2,249	312	734	3,296	587	3,603	2,947	255	76	7,467	534	3,176	15,934
Operating Ratio (percent)[1]	91.2	95.3	91.5	88.0	103.0	95.7	91.1	86.0	88.6	74.7	72.6	89.3	82.3	92.8	85.8	86.0
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	501	17	517	682	109	229	1,020	175	1,216	738	31	25	2,185	166	581	4,469
Catalytic Hydrocracking	55	0	55	124	0	5	128	0	194	147	0	0	341	6	418	949
Cokers	69	0	69	142	51	64	257	8	209	340	12	0	569	13	482	1,390
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.16	.63	1.12	.98	2.12	.51	.99	.85	.87	1.33	1.39	.88	1.05	.86	1.09	1.04
API Gravity, Weighted Average	29.81	38.23	30.47	33.96	29.22	37.18	34.21	38.44	33.60	30.74	33.36	40.80	33.03	35.57	25.45	31.63
Operable Capacity (daily average)	**1,352**	**109**	**1,462**	**2,249**	**312**	**734**	**3,296**	**587**	**3,603**	**2,947**	**255**	**76**	**7,467**	**534**	**3,176**	**15,934**
Operating	1,342	109	1,452	2,183	312	704	3,199	512	3,431	2,334	248	76	6,600	534	3,047	14,831
Idle	10	0	10	67	0	30	97	75	172	613	7	0	867	0	129	1,103
Alaskan Crude Oil Receipts	**2,302**	**0**	**2,302**	**2,690**	**0**	**0**	**2,690**	**0**	**5,248**	**3,619**	**192**	**0**	**9,059**	**0**	**39,910**	**53,961**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, July 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**40,291**	**3,252**	**43,543**	**61,610**	**10,269**	**21,596**	**93,475**	**15,536**	**97,291**	**67,596**	**5,715**	**2,285**	**188,423**	**15,129**	**81,550**	**422,120**
Natural Gas Liquids																
Pentanes Plus	45	0	45	450	55	683	1,188	906	2,156	264	188	126	3,640	63	817	5,753
Liquefied Petroleum Gases	65	29	94	1,406	95	559	2,060	509	1,406	1,890	99	43	3,947	430	1,155	7,686
Ethane	0	0	0	0	0	0	0	0	0	55	0	0	55	0	0	55
Propane	1	0	1	88	0	0	88	0	129	41	0	0	170	0	2	261
Normal Butane	10	29	39	392	17	56	465	120	334	581	2	4	1,041	305	701	2,551
Isobutane	54	0	54	926	78	503	1,507	389	943	1,213	97	39	2,681	125	452	4,819
Other Liquids																
Other Hydrocarbons and Alcohol	36	0	36	268	1	0	269	0	568	392	0	15	975	7	490	1,777
Unfinished Oil (net)	4,600	157	4,757	-25	-64	107	18	175	7,581	3,332	90	-4	11,174	-86	371	16,234
Motor Gasoline Blending Components (net)	1,245	-3	1,242	634	31	128	793	-121	-1,210	1,547	49	-6	259	71	-345	2,020
Aviation Gasoline Blending Components (net)	0	0	0	-11	0	4	-7	0	0	8	0	0	8	0	-23	-22
Total Input to Refineries	**46,282**	**3,435**	**49,717**	**64,332**	**10,387**	**23,077**	**97,796**	**17,005**	**107,792**	**75,029**	**6,141**	**2,459**	**208,426**	**15,614**	**84,015**	**455,568**
Crude Oil Distillation																
Gross Input (daily average)	1,304	105	1,409	1,996	331	700	3,027	506	3,152	2,238	181	73	6,149	493	2,726	13,804
Operable Capacity (daily average)	1,352	109	1,462	2,253	332	734	3,320	587	3,603	2,947	255	76	7,467	534	3,176	15,958
Operating Ratio (percent)[1]	96.4	96.1	96.4	88.6	99.7	95.4	91.2	86.3	87.5	75.9	71.1	96.2	82.4	92.4	85.8	86.5
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	556	17	573	693	105	235	1,032	192	1,273	737	31	26	2,259	167	672	4,704
Catalytic Hydrocracking	56	0	56	130	0	6	136	15	185	155	0	0	355	6	448	1,001
Cokers	70	0	70	140	59	74	273	10	203	271	13	0	497	17	480	1,336
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.05	.68	1.02	1.08	2.17	.56	1.08	.87	.80	1.19	1.35	.80	.96	.84	1.10	1.02
API Gravity, Weighted Average	30.10	37.60	30.65	34.09	28.95	36.76	34.14	37.89	34.00	30.95	34.01	40.67	33.33	35.61	25.29	31.75
Operable Capacity (daily average)	**1,352**	**109**	**1,462**	**2,253**	**332**	**734**	**3,320**	**587**	**3,603**	**2,947**	**255**	**76**	**7,467**	**534**	**3,176**	**15,958**
Operating	1,298	109	1,407	2,187	332	734	3,253	512	3,412	2,373	238	76	6,610	534	3,047	14,851
Idle	55	0	55	67	0	0	67	75	191	574	17	0	857	0	129	1,107
Alaskan Crude Oil Receipts	**1,034**	**0**	**1,034**	**1,709**	**0**	**185**	**1,894**	**0**	**4,275**	**3,307**	**187**	**0**	**7,769**	**0**	**43,760**	**54,457**

1 Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, August 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**40,371**	**3,180**	**43,551**	**63,791**	**10,480**	**21,824**	**96,095**	**15,285**	**97,746**	**69,425**	**5,736**	**2,282**	**190,474**	**15,446**	**80,759**	**426,325**
Natural Gas Liquids																
Pentanes Plus	55	0	55	508	24	706	1,238	944	1,996	982	183	167	4,272	105	853	6,523
Liquefied Petroleum Gases	90	20	110	1,402	112	581	2,095	552	1,608	2,042	106	40	4,348	452	1,129	8,134
Ethane	0	0	0	0	0	0	0	0	0	58	0	0	58	0	0	58
Propane	0	0	0	83	0	0	83	1	120	48	0	0	169	0	11	263
Normal Butane	41	20	61	445	50	66	561	164	376	682	13	0	1,235	316	738	2,911
Isobutane	49	0	49	874	62	515	1,451	387	1,112	1,254	93	40	2,886	136	380	4,902
Other Liquids																
Other Hydrocarbons and Alcohol	44	0	44	482	2	0	484	0	575	421	0	21	1,017	16	436	1,997
Unfinished Oil (net)	4,839	219	5,058	561	3	645	1,209	-30	4,859	2,438	-62	46	7,251	-77	661	14,102
Motor Gasoline Blending Components (net)	1,697	-23	1,674	49	50	-328	-229	6	-372	-204	-7	-4	-581	121	863	1,848
Aviation Gasoline Blending Components (net)	0	0	0	199	0	6	205	0	0	-8	0	0	-8	0	22	219
Total Input to Refineries	**47,096**	**3,396**	**50,492**	**66,992**	**10,671**	**23,434**	**101,097**	**16,757**	**106,412**	**75,096**	**5,956**	**2,552**	**206,773**	**16,063**	**84,723**	**459,148**
Crude Oil Distillation																
Gross Input (daily average)	1,306	103	1,409	2,067	339	706	3,112	496	3,168	2,294	183	72	6,213	506	2,713	13,953
Operable Capacity (daily average)	1,352	109	1,462	2,253	332	734	3,320	587	3,603	2,947	255	76	7,467	534	3,176	15,958
Operating Ratio (percent)[1]	96.6	94.0	96.4	91.8	101.9	96.2	93.7	84.6	87.9	77.8	71.9	95.8	83.2	94.8	85.4	87.4
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	552	18	570	749	112	244	1,105	182	1,305	740	30	27	2,284	179	662	4,800
Catalytic Hydrocracking	54	0	54	130	0	6	136	16	182	172	0	0	370	5	447	1,012
Cokers	71	0	71	154	40	72	267	9	206	322	10	0	547	16	438	1,338
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.22	.65	1.17	1.09	2.15	.58	1.09	.73	.87	1.33	1.35	.85	1.04	.70	1.09	1.06
API Gravity, Weighted Average	30.36	38.05	30.93	34.29	28.87	36.49	34.19	38.38	34.13	31.26	33.67	40.24	33.46	35.69	25.72	31.92
Operable Capacity (daily average)	**1,352**	**109**	**1,462**	**2,253**	**332**	**734**	**3,320**	**587**	**3,603**	**2,947**	**255**	**76**	**7,467**	**534**	**3,176**	**15,958**
Operating	1,339	109	1,449	2,187	332	734	3,253	512	3,412	2,373	238	76	6,610	534	3,047	14,893
Idle	13	0	13	67	0	0	67	75	191	574	17	0	857	0	129	1,065
Alaskan Crude Oil Receipts	**1,317**	**0**	**1,317**	**1,538**	**0**	**224**	**1,762**	**0**	**4,395**	**3,143**	**156**	**0**	**7,694**	**0**	**45,195**	**55,968**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, September 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**37,889**	**3,013**	**40,902**	**57,703**	**9,960**	**21,267**	**88,930**	**14,269**	**87,613**	**65,606**	**4,894**	**2,165**	**174,547**	**14,104**	**79,347**	**397,830**
Natural Gas Liquids																
Pentanes Plus	45	0	45	481	96	650	1,227	956	1,356	423	179	176	3,090	85	906	5,353
Liquefied Petroleum Gases	61	45	106	1,267	164	646	2,077	694	1,504	2,073	119	47	4,437	453	1,155	8,228
Ethane	0	0	0	0	0	0	0	0	0	68	0	0	68	0	0	68
Propane	0	0	0	84	0	0	84	2	121	54	0	0	177	0	5	266
Normal Butane	16	45	61	517	81	185	783	334	560	899	25	4	1,822	355	773	3,794
Isobutane	45	0	45	666	83	461	1,210	358	823	1,052	94	43	2,370	98	377	4,100
Other Liquids																
Other Hydrocarbons and Alcohol	2	0	2	398	2	17	417	0	577	423	0	24	1,024	16	321	1,780
Unfinished Oil (net)	6,358	310	6,668	1,539	38	-43	1,534	161	8,221	357	15	2	8,756	-233	468	17,193
Motor Gasoline Blending Components (net)	1,669	-58	1,611	1,075	-153	-11	911	-90	-721	-442	46	-5	-1,212	-6	-67	1,237
Aviation Gasoline Blending Components (net)	0	0	0	-37	0	-7	-44	0	0	-18	0	0	-18	0	-16	-78
Total Input to Refineries	**46,024**	**3,310**	**49,334**	**62,426**	**10,107**	**22,519**	**95,052**	**15,990**	**98,550**	**68,422**	**5,253**	**2,409**	**190,624**	**14,419**	**82,114**	**431,543**
Crude Oil Distillation																
Gross Input (daily average)	1,207	100	1,308	1,933	332	711	2,977	475	2,920	2,243	162	72	5,873	473	2,726	13,356
Operable Capacity (daily average)	1,352	109	1,462	2,253	332	734	3,320	587	3,603	2,947	255	76	7,467	541	3,176	15,965
Operating Ratio (percent)[1]	89.3	92.0	89.5	85.8	100.0	96.8	89.7	81.0	81.0	76.1	63.8	95.5	78.7	87.5	85.8	83.7
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	549	17	565	653	111	221	984	180	1,219	680	31	26	2,136	164	684	4,533
Catalytic Hydrocracking	61	0	61	115	0	6	121	14	180	160	2	0	356	6	407	951
Cokers	74	0	74	138	41	74	252	9	205	331	10	0	556	10	485	1,376
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.18	.66	1.14	1.05	2.06	.59	1.05	.83	1.01	1.26	1.47	.95	1.10	.75	1.05	1.07
API Gravity, Weighted Average	30.08	37.69	30.65	34.76	29.18	36.79	34.62	38.48	33.48	31.28	32.67	40.04	33.12	35.95	25.31	31.72
Operable Capacity (daily average)	**1,352**	**109**	**1,462**	**2,253**	**332**	**734**	**3,320**	**587**	**3,603**	**2,947**	**255**	**76**	**7,467**	**541**	**3,176**	**15,965**
Operating	1,339	109	1,449	2,187	332	734	3,253	512	3,412	2,588	248	76	6,835	541	3,047	15,124
Idle	13	0	13	67	0	0	67	75	191	359	7	0	632	0	129	841
Alaskan Crude Oil Receipts	**1,134**	**0**	**1,134**	**1,060**	**0**	**276**	**1,336**	**0**	**3,370**	**2,705**	**96**	**0**	**6,171**	**0**	**42,480**	**51,121**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, October 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**36,119**	**3,301**	**39,420**	**58,065**	**9,524**	**20,617**	**88,206**	**15,486**	**95,507**	**70,798**	**4,891**	**2,164**	**188,846**	**12,964**	**77,460**	**406,896**
Natural Gas Liquids																
Pentanes Plus	34	0	34	432	95	888	1,415	1,021	1,252	794	174	104	3,345	95	883	5,772
Liquefied Petroleum Gases	133	51	184	1,673	340	888	2,901	811	1,822	2,271	127	65	5,096	410	1,263	9,854
Ethane	0	0	0	0	0	0	0	0	0	75	0	0	75	0	0	75
Propane	0	0	0	76	0	0	76	0	124	58	0	0	182	0	0	258
Normal Butane	75	51	126	1,052	256	447	1,755	430	817	699	42	20	2,008	310	941	5,140
Isobutane	58	0	58	545	84	441	1,070	381	881	1,439	85	45	2,831	100	322	4,381
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	259	2	38	299	0	382	529	0	35	946	57	320	1,622
Unfinished Oil (net)	6,376	169	6,545	-801	-131	443	-489	-173	7,092	-1,699	139	28	5,387	-125	1,697	13,015
Motor Gasoline Blending Components (net)	881	38	919	1,899	122	536	2,557	-116	-965	521	36	28	-496	347	-21	3,306
Aviation Gasoline Blending Components (net)	0	0	0	-5	0	-28	-33	0	-52	-1	0	0	-53	0	5	-81
Total Input to Refineries	**43,543**	**3,559**	**47,102**	**61,522**	**9,952**	**23,382**	**94,856**	**17,029**	**105,038**	**73,213**	**5,367**	**2,424**	**203,071**	**13,748**	**81,607**	**440,384**
Crude Oil Distillation																
Gross Input (daily average)	1,171	107	1,278	1,882	307	667	2,856	504	3,105	2,313	156	70	6,147	421	2,601	13,304
Operable Capacity (daily average)	1,354	109	1,463	2,253	332	734	3,320	577	3,603	2,942	255	76	7,452	541	3,171	15,946
Operating Ratio (percent)[1]	86.5	97.7	87.4	83.5	92.5	90.8	86.0	87.3	86.2	78.6	61.1	92.4	82.5	78.0	82.0	83.4
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	541	18	559	559	108	231	898	184	1,239	686	28	25	2,161	138	682	4,438
Catalytic Hydrocracking	46	0	46	100	0	5	105	13	180	200	1	0	394	6	370	921
Cokers	69	0	69	115	48	63	225	8	199	343	11	0	561	16	473	1,344
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.27	.57	1.22	1.03	2.04	.60	1.04	.85	.92	1.23	1.30	.78	1.03	.65	1.10	1.05
API Gravity, Weighted Average	29.33	38.55	30.07	34.67	29.63	36.70	34.60	38.26	33.85	31.43	33.27	39.96	33.36	36.34	25.24	31.86
Operable Capacity (daily average)	**1,354**	**109**	**1,463**	**2,253**	**332**	**734**	**3,320**	**577**	**3,603**	**2,942**	**255**	**76**	**7,452**	**541**	**3,171**	**15,946**
Operating	1,341	109	1,450	2,187	332	734	3,253	512	3,412	2,588	248	76	6,835	533	3,047	15,117
Idle	13	0	13	67	0	0	67	65	191	354	7	0	617	8	124	829
Alaskan Crude Oil Receipts	**1,541**	**0**	**1,541**	**1,635**	**0**	**459**	**2,094**	**0**	**3,957**	**2,470**	**47**	**0**	**6,474**	**0**	**41,500**	**51,609**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, November 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**33,812**	**3,139**	**36,951**	**58,321**	**9,198**	**18,892**	**86,411**	**14,651**	**89,390**	**69,111**	**5,393**	**1,986**	**180,531**	**13,249**	**77,552**	**394,694**
Natural Gas Liquids																
Pentanes Plus	44	0	44	433	265	918	1,616	973	1,605	449	180	117	3,324	150	879	6,013
Liquefied Petroleum Gases	255	78	333	2,658	335	1,017	4,010	991	2,911	2,767	171	109	6,949	563	1,506	13,361
Ethane	0	0	0	0	0	0	0	0	0	84	0	0	84	0	0	84
Propane	0	0	0	81	0	0	81	0	130	70	0	0	200	0	0	281
Normal Butane	152	78	230	1,616	268	566	2,450	621	1,650	1,447	40	62	3,820	474	1,235	8,209
Isobutane	103	0	103	961	67	451	1,479	370	1,131	1,166	131	47	2,845	89	271	4,787
Other Liquids																
Other Hydrocarbons and Alcohol	0	0	0	216	2	25	243	0	657	412	0	30	1,099	34	378	1,754
Unfinished Oil (net)	5,871	185	6,056	-850	-149	1,238	239	178	9,101	-1,460	-69	-20	7,730	69	342	14,436
Motor Gasoline Blending Components (net)	414	-35	379	1,579	-128	381	1,832	163	-297	604	9	-15	464	-197	-186	2,292
Aviation Gasoline Blending Components (net)	0	0	0	3	0	-15	-12	0	21	16	0	0	37	0	17	42
Total Input to Refineries	**40,396**	**3,367**	**43,763**	**62,360**	**9,523**	**22,456**	**94,339**	**16,956**	**103,388**	**71,899**	**5,684**	**2,207**	**200,134**	**13,868**	**80,488**	**432,592**
Crude Oil Distillation																
Gross Input (daily average)	1,134	105	1,239	1,953	306	633	2,891	489	3,021	2,339	177	67	6,094	448	2,682	13,354
Operable Capacity (daily average)	1,354	109	1,463	2,253	332	734	3,319	557	3,603	2,925	255	76	7,415	541	3,171	15,909
Operating Ratio (percent)[1]	83.8	95.9	84.7	86.7	92.0	86.2	87.1	87.8	83.8	80.0	69.3	89.1	82.2	82.9	84.6	83.9
Downstream Processing Fresh Feed Input (daily average)																
Catalytic Cracking	520	17	538	652	107	234	992	188	1,274	660	29	23	2,174	157	639	4,499
Catalytic Hydrocracking	36	0	36	100	0	5	105	16	113	216	3	0	348	7	391	887
Cokers	70	0	70	145	54	66	265	8	181	367	12	0	568	18	474	1,394
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.16	.54	1.11	.89	1.87	.58	.93	.84	.88	1.22	1.40	.77	1.02	.67	1.09	1.01
API Gravity, Weighted Average	30.34	38.36	31.01	35.55	29.70	37.09	35.26	38.84	33.69	31.17	33.08	39.82	33.19	36.37	25.37	32.00
Operable Capacity (daily average)	**1,354**	**109**	**1,463**	**2,253**	**332**	**734**	**3,319**	**557**	**3,603**	**2,925**	**255**	**76**	**7,415**	**541**	**3,171**	**15,909**
Operating	1,330	109	1,439	2,187	332	734	3,253	528	3,412	2,588	207	76	6,810	533	3,047	15,081
Idle	24	0	24	66	0	0	66	29	191	337	48	0	606	8	124	828
Alaskan Crude Oil Receipts	**1,415**	**0**	**1,415**	**1,132**	**0**	**419**	**1,551**	**0**	**4,676**	**1,515**	**0**	**0**	**6,191**	**0**	**36,153**	**45,310**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 11. Refinery Input of Crude Oil and Petroleum Products by PAD District, December 1988
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (including lease condensate)	**37,264**	**3,329**	**40,593**	**61,457**	**9,334**	**21,219**	**92,010**	**15,193**	**89,410**	**74,127**	**5,645**	**2,064**	**186,439**	**13,718**	**82,051**	**414,811**
Natural Gas Liquids																
Pentanes Plus	26	0	26	566	95	746	1,407	917	1,247	803	211	124	3,302	169	919	5,823
Liquefied Petroleum Gases	124	85	209	2,901	453	1,067	4,421	1,096	2,930	3,180	172	85	7,463	665	1,530	14,288
Ethane	0	0	0	0	0	0	0	0	0	106	0	0	106	0	0	106
Propane	0	0	0	88	0	0	88	0	150	75	0	1	226	0	13	327
Normal Butane	89	85	174	1,842	382	607	2,831	736	1,750	1,826	47	40	4,399	566	1,157	9,127
Isobutane	35	0	35	971	71	460	1,502	360	1,030	1,173	125	44	2,732	99	360	4,728
Other Liquids																
Other Hydrocarbons and Alcohol	64	0	64	434	2	13	449	0	489	394	0	27	910	18	552	1,993
Unfinished Oil (net)	6,187	238	6,425	2,377	352	423	3,152	165	10,185	3,729	-63	14	14,030	-210	3,329	26,726
Motor Gasoline Blending Components (net)	305	-78	227	1,200	-86	30	1,144	-68	858	423	23	-55	1,181	-234	-1,104	1,214
Aviation Gasoline Blending Components (net)	0	0	0	-5	0	-29	-34	0	15	-9	0	0	6	0	21	-7
Total Input to Refineries	**43,970**	**3,574**	**47,544**	**68,930**	**10,150**	**23,469**	**102,549**	**17,303**	**105,134**	**82,647**	**5,988**	**2,259**	**213,331**	**14,126**	**87,298**	**464,848**
Crude Oil Distillation																
Gross Input (daily average)	1,213	107	1,320	2,003	305	687	2,995	489	2,894	2,410	181	67	6,040	445	2,752	13,554
Operable Capacity (daily average)	1,354	109	1,463	2,253	332	734	3,319	557	3,603	2,925	255	76	7,415	541	3,181	15,919
Operating Ratio (percent)[1]	89.6	98.4	90.3	88.9	92.0	93.5	90.2	87.8	80.3	82.4	71.1	88.1	81.5	82.4	86.5	85.1
Downstream Processing																
Fresh Feed Input (daily average)																
Catalytic Cracking	509	19	528	715	112	243	1,070	176	1,256	773	32	24	2,261	150	726	4,735
Catalytic Hydrocracking	40	0	40	113	0	5	118	15	127	210	2	0	355	7	434	953
Cokers	71	0	71	150	46	62	259	10	170	357	11	0	547	19	468	1,364
Crude Oil Qualities																
Sulfur Content, Weighted Average (percent)	1.04	.55	1.00	.95	1.90	.57	.96	.68	.89	1.25	1.32	.79	1.03	.67	1.13	1.02
API Gravity, Weighted Average	31.31	39.27	31.95	35.12	30.54	37.30	35.16	38.34	33.29	31.86	33.51	39.74	33.20	36.46	25.46	32.07
Operable Capacity (daily average)	**1,354**	**109**	**1,463**	**2,253**	**332**	**734**	**3,319**	**557**	**3,603**	**2,925**	**255**	**76**	**7,415**	**541**	**3,181**	**15,919**
Operating	1,330	109	1,439	2,187	332	734	3,253	525	3,191	2,588	238	76	6,617	533	3,045	14,887
Idle	24	0	24	66	0	0	66	32	412	337	17	0	798	8	136	1,032
Alaskan Crude Oil Receipts	**951**	**0**	**951**	**1,501**	**0**	**450**	**1,951**	**0**	**4,603**	**2,444**	**1,061**	**0**	**8,108**	**0**	**46,462**	**57,472**

[1] Represents gross input divided by operable capacity.
(s) = Less than 500 barrels.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, January 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,659	28	1,687	1,946	255	460	2,661	249	3,376	4,311	100	85	8,121	221	1,528	14,218
Ethane	-22	0	-22	0	0	0	0	-30	181	-2	0	0	149	0	36	163
Propane	1,411	28	1,439	1,932	227	459	2,618	374	2,834	2,018	79	68	5,373	202	1,077	10,709
Normal Butane	253	0	253	22	17	1	40	-165	321	2,302	21	17	2,496	11	295	3,095
Isobutane	17	0	17	-8	11	0	3	70	40	-7	0	0	103	8	120	251
Finished Motor Gasoline	21,251	1,214	22,465	33,339	4,860	10,798	48,997	8,308	47,281	35,825	1,742	1,265	94,421	6,971	35,769	208,623
Finished Leaded Motor Gasoline	2,517	256	2,773	4,329	1,076	3,413	8,818	2,533	8,201	6,574	267	434	18,009	2,709	8,616	40,925
Finished Unleaded Motor Gasoline	18,734	958	19,692	29,010	3,784	7,385	40,179	5,775	39,080	29,251	1,475	831	76,412	4,262	27,153	167,698
Finished Aviation Gasoline	0	0	0	87	27	1	115	80	224	72	0	0	376	17	157	665
Naphtha-Type Jet Fuel	428	0	428	334	20	176	530	764	711	871	204	279	2,829	368	1,568	5,723
Kerosene-Type Jet Fuel	2,359	0	2,359	3,936	489	1,124	5,549	1,100	8,959	8,964	80	52	19,155	902	10,188	38,153
Kerosene	102	132	234	792	56	-7	841	17	1,136	701	22	0	1,876	47	213	3,211
Distillate Fuel Oil	9,699	1,029	10,728	13,265	2,267	5,311	20,843	2,943	23,511	17,162	1,669	436	45,721	3,341	12,625	93,258
Residual Fuel Oil	5,806	112	5,918	2,027	262	142	2,431	279	5,366	4,282	304	11	10,242	313	12,164	31,068
Naphtha < 400 Deg. for Petro. Feed. Use	176	0	176	481	0	96	577	44	2,250	67	26	-6	2,381	-1	214	3,347
Other Oils > 400 Deg. for Petro. Feed. Use	7	0	7	716	0	53	769	123	4,834	1,109	0	0	6,066	0	321	7,163
Special Naphthas	-52	13	-39	165	0	118	283	86	951	-20	183	0	1,200	2	92	1,538
Lubricants	299	383	682	429	0	324	753	19	1,941	586	455	0	3,001	23	616	5,075
Waxes	0	101	101	7	0	31	38	14	145	72	51	0	282	6	56	483
Petroleum Coke	1,378	23	1,401	2,385	577	698	3,660	319	3,449	3,794	170	18	7,750	364	4,007	17,182
Marketable	366	0	366	1,383	450	455	2,288	33	1,704	2,819	115	0	4,671	176	2,965	10,466
Catalyst	1,012	23	1,035	1,002	127	243	1,372	286	1,745	975	55	18	3,079	188	1,042	6,716
Asphalt and Road Oil	778	166	944	1,581	340	594	2,515	177	489	490	710	92	1,958	658	1,071	7,146
Still Gas	1,873	174	2,047	2,656	331	991	3,978	628	4,852	3,178	166	75	8,899	606	4,036	19,566
Miscellaneous Products	372	43	415	203	41	48	292	59	671	446	0	0	1,176	52	197	2,132
Fuel Use	9	2	11	0	0	0	0	23	0	30	0	0	53	0	0	64
Non-Fuel Use	363	41	404	203	41	48	292	36	671	416	0	0	1,123	52	197	2,068
Total Production	**46,135**	**3,418**	**49,553**	**64,349**	**9,525**	**20,958**	**94,832**	**15,209**	**110,146**	**81,910**	**5,882**	**2,307**	**215,454**	**13,890**	**84,822**	**458,551**
Processing Gain(-) or Loss(+)[1]	-2,296	-24	-2,320	-2,564	-496	-827	-3,887	-243	-5,467	-4,093	-56	-53	-9,912	-390	-4,499	-21,008

1 Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, February 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,502	22	1,524	1,851	219	324	2,394	166	3,506	3,799	90	83	7,644	229	1,726	13,517
Ethane	0	0	0	0	0	0	0	-34	255	-1	0	0	220	0	33	253
Propane	1,364	22	1,386	1,914	213	435	2,562	285	2,603	1,778	71	67	4,804	203	932	9,887
Normal Butane	173	0	173	-40	-12	-111	-163	-184	613	2,009	19	16	2,473	26	643	3,152
Isobutane	-35	0	-35	-23	18	0	-5	99	35	13	0	0	147	0	118	225
Finished Motor Gasoline	19,920	1,137	21,057	33,419	4,812	10,863	49,094	8,062	42,548	33,515	1,557	1,234	86,916	6,442	31,831	195,340
Finished Leaded Motor Gasoline	1,791	270	2,061	4,842	952	3,149	8,943	2,419	8,248	6,003	309	448	17,427	2,224	8,232	38,887
Finished Unleaded Motor Gasoline	18,129	867	18,996	28,577	3,860	7,714	40,151	5,643	34,300	27,512	1,248	786	69,489	4,218	23,599	156,453
Finished Aviation Gasoline	10	0	10	18	6	14	38	96	128	101	0	0	325	27	94	494
Naphtha-Type Jet Fuel	544	0	544	257	0	247	504	671	895	430	172	259	2,427	333	1,350	5,158
Kerosene-Type Jet Fuel	2,309	0	2,309	3,356	330	1,263	4,949	955	8,455	8,319	42	54	17,825	786	9,068	34,937
Kerosene	198	112	310	995	64	-96	963	39	1,229	649	16	0	1,933	16	195	3,417
Distillate Fuel Oil	8,675	901	9,576	11,263	2,163	4,621	18,047	2,874	16,701	14,223	1,484	433	35,715	3,026	10,939	77,303
Residual Fuel Oil	5,013	90	5,103	1,828	242	142	2,212	232	4,780	4,038	288	10	9,348	327	11,831	28,821
Naphtha < 400 Deg. for Petro. Feed. Use	210	0	210	501	0	93	594	105	2,094	50	29	1	2,279	-7	213	3,289
Other Oils > 400 Deg. for Petro. Feed. Use	4	0	4	601	0	64	665	139	2,871	1,525	0	0	4,535	1	230	5,435
Special Naphthas	16	5	21	107	0	99	206	93	838	20	150	0	1,101	-1	86	1,413
Lubricants	377	322	699	514	0	325	839	23	1,802	646	329	0	2,800	26	675	5,039
Waxes	0	82	82	13	0	27	40	9	165	47	41	0	262	49	76	509
Petroleum Coke	1,230	21	1,251	2,234	478	659	3,371	310	3,254	3,593	121	15	7,293	299	3,643	15,857
Marketable	291	0	291	1,270	356	421	2,047	38	1,671	2,785	78	0	4,572	130	2,660	9,700
Catalyst	939	21	960	964	122	238	1,324	272	1,583	808	43	15	2,721	169	983	6,157
Asphalt and Road Oil	917	203	1,120	1,705	521	571	2,797	251	670	607	698	99	2,325	608	1,070	7,920
Still Gas	1,677	162	1,839	2,657	344	880	3,881	648	4,303	2,940	147	73	8,111	550	3,713	18,094
Miscellaneous Products	307	56	363	184	32	75	291	40	549	450	0	0	1,039	44	143	1,880
Fuel Use	7	0	7	0	0	0	0	1	0	34	0	0	35	0	0	42
Non-Fuel Use	300	56	356	184	32	75	291	39	549	416	0	0	1,004	44	143	1,838
Total Production	**42,909**	**3,113**	**46,022**	**61,503**	**9,211**	**20,171**	**90,885**	**14,713**	**94,788**	**74,952**	**5,164**	**2,261**	**191,878**	**12,755**	**76,883**	**418,423**
Processing Gain(-) or Loss(+)[1]	-1,803	-40	-1,843	-2,778	-490	-860	-4,128	-315	-5,180	-3,340	-60	-55	-8,950	-400	-3,965	-19,286

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, March 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,777	29	1,806	2,127	235	332	2,694	342	4,525	3,510	97	107	8,581	210	1,943	15,234
Ethane	85	0	85	0	0	0	0	-57	269	-4	0	0	208	0	6	299
Propane	1,399	29	1,428	2,092	229	445	2,766	432	2,615	1,746	80	64	4,937	175	976	10,282
Normal Butane	280	0	280	9	2	-113	-102	-281	1,582	1,691	17	38	3,047	52	770	4,047
Isobutane	13	0	13	26	4	0	30	248	59	77	0	5	389	-17	191	606
Finished Motor Gasoline	21,420	1,183	22,603	35,346	4,949	11,715	52,010	8,295	45,645	34,318	1,778	1,257	91,293	7,401	34,848	208,155
Finished Leaded Motor Gasoline	2,120	231	2,351	5,334	950	3,985	10,269	2,599	7,222	6,319	368	440	16,948	2,698	9,185	41,451
Finished Unleaded Motor Gasoline	19,300	952	20,252	30,012	3,999	7,730	41,741	5,696	38,423	27,999	1,410	817	74,345	4,703	25,663	166,704
Finished Aviation Gasoline	0	0	0	42	1	8	51	92	310	73	0	0	475	19	142	687
Naphtha-Type Jet Fuel	678	0	678	341	31	260	632	966	1,098	910	197	289	3,460	305	1,465	6,540
Kerosene-Type Jet Fuel	2,156	0	2,156	4,172	466	1,299	5,937	1,179	9,118	8,710	150	42	19,199	696	10,524	38,512
Kerosene	243	64	307	323	19	59	401	33	1,091	211	13	0	1,348	-41	93	2,108
Distillate Fuel Oil	8,331	1,062	9,393	12,062	2,330	4,745	19,137	3,562	18,561	14,641	1,531	492	38,787	3,540	12,998	83,855
Residual Fuel Oil	3,910	101	4,011	1,718	195	111	2,024	258	5,429	4,350	325	13	10,375	324	12,656	29,390
Naphtha < 400 Deg. for Petro. Feed. Use	106	0	106	484	0	115	599	111	2,657	162	26	7	2,963	16	217	3,901
Other Oils > 400 Deg. for Petro. Feed. Use	7	0	7	835	0	84	919	123	4,011	2,069	0	0	6,203	0	329	7,458
Special Naphthas	74	31	105	149	0	105	254	113	864	37	130	0	1,144	-1	94	1,596
Lubricants	489	338	827	520	0	341	861	22	2,271	719	412	0	3,424	-6	722	5,828
Waxes	0	87	87	24	0	39	63	9	178	49	50	0	286	19	88	543
Petroleum Coke	1,322	24	1,346	2,398	573	701	3,672	309	3,233	3,901	140	18	7,601	348	4,110	17,077
Marketable	391	0	391	1,355	439	443	2,237	46	1,486	3,084	94	0	4,710	165	3,025	10,528
Catalyst	931	24	955	1,043	134	258	1,435	263	1,747	817	46	18	2,891	183	1,085	6,549
Asphalt and Road Oil	1,619	208	1,827	2,333	560	704	3,597	421	748	917	817	97	3,000	702	1,462	10,588
Still Gas	1,783	166	1,949	2,868	385	936	4,189	752	4,990	3,131	167	76	9,116	583	4,266	20,103
Miscellaneous Products	238	51	289	237	44	63	344	22	788	513	0	0	1,323	50	211	2,217
Fuel Use	2	0	2	0	0	0	0	1	0	43	0	0	44	0	0	46
Non-Fuel Use	236	51	287	237	44	63	344	21	788	470	0	0	1,279	50	211	2,171
Total Production	**44,153**	**3,344**	**47,497**	**65,979**	**9,788**	**21,617**	**97,384**	**16,609**	**105,517**	**78,221**	**5,833**	**2,398**	**208,578**	**14,165**	**86,168**	**453,792**
Processing Gain(-) or Loss(+)[1]	-2,176	11	-2,165	-3,177	-520	-864	-4,561	-324	-4,567	-3,811	-55	-65	-8,822	-253	-4,141	-19,942

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, April 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,370	7	1,377	2,044	216	433	2,693	373	3,906	3,922	92	79	8,372	299	1,975	14,716
Ethane	58	0	58	0	0	0	0	-9	208	-4	0	0	195	0	21	274
Propane	1,082	7	1,089	2,040	197	484	2,721	446	3,038	1,804	77	53	5,418	183	959	10,370
Normal Butane	162	0	162	14	18	-63	-31	-298	637	2,137	15	21	2,512	121	831	3,595
Isobutane	68	0	68	-10	1	12	3	234	23	-15	0	5	247	-5	164	477
Finished Motor Gasoline	19,859	652	20,511	34,657	4,666	11,007	50,330	8,379	49,148	33,730	1,607	1,163	94,027	6,771	35,561	207,200
Finished Leaded Motor Gasoline	1,964	94	2,058	4,861	1,382	3,688	9,931	2,587	8,069	6,434	351	426	17,867	2,492	9,180	41,528
Finished Unleaded Motor Gasoline	17,895	558	18,453	29,796	3,284	7,319	40,399	5,792	41,079	27,296	1,256	737	76,160	4,279	26,381	165,672
Finished Aviation Gasoline	12	0	12	126	0	10	136	116	102	128	0	0	346	18	166	678
Naphtha-Type Jet Fuel	459	0	459	471	24	233	728	727	1,238	577	176	283	3,001	392	1,509	6,089
Kerosene-Type Jet Fuel	2,046	0	2,046	3,631	463	939	5,033	1,016	7,848	6,879	126	34	15,903	607	9,052	32,641
Kerosene	-68	57	-11	-26	13	186	173	15	941	137	3	0	1,096	-12	244	1,490
Distillate Fuel Oil	7,718	799	8,517	13,002	2,338	5,365	20,705	3,779	20,643	13,645	1,379	523	39,969	3,587	13,174	85,952
Residual Fuel Oil	3,925	45	3,970	1,683	245	121	2,049	255	5,762	4,026	217	13	10,273	336	12,164	28,792
Naphtha < 400 Deg. for Petro. Feed. Use	420	0	420	471	0	38	509	92	2,953	82	37	-7	3,157	-16	215	4,285
Other Oils > 400 Deg. for Petro. Feed. Use	3	0	3	731	0	53	784	165	4,195	2,116	0	0	6,476	0	337	7,600
Special Naphthas	34	22	56	180	0	60	240	92	1,008	61	175	0	1,336	0	113	1,745
Lubricants	280	386	666	495	0	349	844	25	2,237	611	374	0	3,247	27	546	5,330
Waxes	0	73	73	9	0	31	40	13	200	70	52	0	335	52	61	561
Petroleum Coke	1,142	9	1,151	2,155	577	646	3,378	358	3,438	3,162	98	17	7,073	325	3,895	15,822
Marketable	236	0	236	1,127	454	414	1,995	50	1,714	2,351	58	0	4,173	160	2,843	9,407
Catalyst	906	9	915	1,028	123	232	1,383	308	1,724	811	40	17	2,900	165	1,052	6,415
Asphalt and Road Oil	2,237	119	2,356	2,552	450	823	3,825	409	813	1,294	828	89	3,433	637	1,541	11,792
Still Gas	1,701	115	1,816	2,845	380	917	4,142	803	5,062	3,026	152	73	9,116	547	4,325	19,946
Miscellaneous Products	268	42	310	308	39	47	394	23	691	462	0	0	1,176	41	159	2,080
Fuel Use	5	1	6	0	0	0	0	1	0	33	0	0	34	0	0	40
Non-Fuel Use	263	41	304	308	39	47	394	22	691	429	0	0	1,142	41	159	2,040
Total Production	**41,406**	**2,326**	**43,732**	**65,334**	**9,411**	**21,258**	**96,003**	**16,640**	**110,185**	**73,928**	**5,316**	**2,267**	**208,336**	**13,611**	**85,037**	**446,719**
Processing Gain(-) or Loss(+)[1]	-1,776	-3	-1,779	-2,956	-497	-846	-4,299	-249	-4,778	-3,229	-45	-49	-8,350	-419	-3,989	-18,836

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, May 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,427	24	1,451	2,242	262	580	3,084	298	4,330	3,897	110	81	8,716	321	1,792	15,364
Ethane	128	0	128	0	0	0	0	-43	113	1	0	0	71	0	15	214
Propane	1,066	24	1,090	2,185	198	570	2,953	451	3,287	1,952	88	52	5,830	191	1,017	11,081
Normal Butane	111	0	111	46	43	-1	88	-283	874	1,915	22	20	2,548	149	611	3,507
Isobutane	122	0	122	11	21	11	43	173	56	29	0	9	267	-19	149	562
Finished Motor Gasoline	18,705	1,113	19,818	35,746	4,812	12,356	52,914	8,691	51,019	35,104	1,767	1,186	97,767	7,329	34,531	212,359
Finished Leaded Motor Gasoline	1,989	295	2,284	5,582	850	3,954	10,386	2,475	7,822	6,749	430	410	17,886	2,743	8,822	42,121
Finished Unleaded Motor Gasoline	16,716	818	17,534	30,164	3,962	8,402	42,528	6,216	43,197	28,355	1,337	776	79,881	4,586	25,709	170,238
Finished Aviation Gasoline	13	0	13	35	0	22	57	170	248	183	0	0	601	19	267	957
Naphtha-Type Jet Fuel	749	0	749	519	30	313	862	869	992	815	218	246	3,140	432	1,906	7,089
Kerosene-Type Jet Fuel	1,844	0	1,844	3,534	513	1,106	5,153	852	7,778	7,212	132	35	16,009	633	9,189	32,828
Kerosene	100	54	154	206	-13	-60	133	16	969	101	3	0	1,089	37	75	1,488
Distillate Fuel Oil	8,666	1,107	9,773	13,151	2,441	6,057	21,649	3,425	20,336	15,137	1,680	494	41,072	4,024	14,460	90,978
Residual Fuel Oil	3,875	69	3,944	1,538	287	140	1,965	237	5,567	3,872	276	13	9,965	417	10,432	26,723
Naphtha < 400 Deg. for Petro. Feed. Use	541	0	541	355	0	111	466	141	2,137	75	44	6	2,403	4	71	3,485
Other Oils > 400 Deg. for Petro. Feed. Use	7	0	7	143	0	80	223	174	4,302	1,083	0	0	5,559	0	218	6,007
Special Naphthas	65	18	83	216	0	96	312	97	887	62	151	0	1,197	-2	142	1,732
Lubricants	364	429	793	381	0	352	733	28	2,293	698	409	0	3,428	52	582	5,588
Waxes	0	77	77	11	0	33	44	9	182	39	57	0	287	46	47	501
Petroleum Coke	1,178	23	1,201	2,358	561	748	3,667	369	3,561	3,500	120	18	7,568	297	4,100	16,833
Marketable	259	0	259	1,298	435	466	2,199	53	1,811	2,622	78	0	4,564	105	3,078	10,205
Catalyst	919	23	942	1,060	126	282	1,468	316	1,750	878	42	18	3,004	192	1,022	6,628
Asphalt and Road Oil	3,175	239	3,414	3,044	637	957	4,638	420	991	1,784	894	81	4,170	1,036	2,078	15,336
Still Gas	1,744	152	1,896	2,998	353	1,025	4,376	774	5,868	3,166	175	88	10,071	598	4,253	21,194
Miscellaneous Products	403	52	455	369	41	52	462	9	706	511	0	0	1,226	57	173	2,373
Fuel Use	8	0	8	0	0	0	0	1	0	36	0	0	37	0	0	45
Non-Fuel Use	395	52	447	369	41	52	462	8	706	475	0	0	1,189	57	173	2,328
Total Production	**42,856**	**3,357**	**46,213**	**66,846**	**9,924**	**23,968**	**100,738**	**16,579**	**112,166**	**77,239**	**6,036**	**2,248**	**214,268**	**15,300**	**84,316**	**460,835**
Processing Gain(-) or Loss(+)[1]	-1,918	-42	-1,960	-2,974	-533	-944	-4,451	-427	-5,706	-3,670	-47	-35	-9,885	-306	-3,923	-20,525

1 Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, June 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,735	31	1,766	1,960	259	440	2,659	264	4,262	3,515	106	106	8,253	355	2,173	15,206
Ethane	119	0	119	18	0	0	18	-53	179	0	0	0	126	0	58	321
Propane	1,181	31	1,212	1,916	219	429	2,564	394	2,968	1,703	84	60	5,209	193	1,073	10,251
Normal Butane	448	0	448	2	30	10	42	-291	1,046	1,830	22	33	2,640	166	884	4,180
Isobutane	-13	0	-13	24	10	1	35	214	69	-18	0	13	278	-4	158	454
Finished Motor Gasoline	20,349	1,237	21,586	34,336	5,053	12,056	51,445	8,650	48,848	33,652	1,791	1,245	94,186	7,912	34,344	209,473
Finished Leaded Motor Gasoline	2,015	297	2,312	5,373	1,244	3,876	10,493	2,419	8,295	6,642	375	441	18,172	2,859	8,160	41,996
Finished Unleaded Motor Gasoline	18,334	940	19,274	28,963	3,809	8,180	40,952	6,231	40,553	27,010	1,416	804	76,014	5,053	26,184	167,477
Finished Aviation Gasoline	-1	0	-1	74	19	14	107	173	168	107	0	0	448	30	198	782
Naphtha-Type Jet Fuel	677	0	677	399	16	238	653	684	1,019	907	202	279	3,091	416	1,407	6,244
Kerosene-Type Jet Fuel	2,082	0	2,082	3,373	522	1,247	5,142	1,043	7,988	6,814	165	38	16,048	766	9,964	34,002
Kerosene	126	53	179	95	28	-9	114	13	1,000	165	27	0	1,205	-1	152	1,649
Distillate Fuel Oil	8,842	1,073	9,915	12,587	2,337	5,587	20,511	3,539	19,684	13,573	1,606	502	38,904	3,945	13,461	86,736
Residual Fuel Oil	3,766	62	3,828	1,474	255	122	1,851	210	5,011	4,617	271	13	10,122	286	10,311	26,398
Naphtha < 400 Deg. for Petro. Feed. Use	293	0	293	270	0	127	397	156	2,302	116	36	2	2,612	-8	142	3,436
Other Oils > 400 Deg. for Petro. Feed. Use	9	0	9	380	0	52	432	137	4,267	1,553	0	0	5,957	17	187	6,602
Special Naphthas	141	29	170	85	0	105	190	74	1,012	63	178	0	1,327	-1	109	1,795
Lubricants	227	301	528	550	0	322	872	37	2,183	662	469	0	3,351	36	671	5,458
Waxes	0	71	71	10	0	32	42	15	158	77	61	0	311	27	72	523
Petroleum Coke	1,201	23	1,224	2,210	559	736	3,505	359	3,353	3,497	117	17	7,343	311	4,028	16,411
Marketable	322	0	322	1,262	416	469	2,147	40	1,690	2,669	70	0	4,469	112	3,116	10,166
Catalyst	879	23	902	948	143	267	1,358	319	1,663	828	47	17	2,874	199	912	6,245
Asphalt and Road Oil	3,857	282	4,139	3,746	949	1,053	5,748	506	897	1,522	960	87	3,972	1,284	2,322	17,465
Still Gas	1,799	176	1,975	2,914	354	1,031	4,299	776	5,311	3,146	182	81	9,496	690	4,196	20,656
Miscellaneous Products	336	33	369	224	39	69	332	26	778	510	0	0	1,314	69	208	2,292
Fuel Use	11	0	11	0	0	0	0	1	0	41	0	0	42	0	0	53
Non-Fuel Use	325	33	358	224	39	69	332	25	778	469	0	0	1,272	69	208	2,239
Total Production	**45,439**	**3,371**	**48,810**	**64,687**	**10,390**	**23,222**	**98,299**	**16,662**	**108,241**	**74,496**	**6,171**	**2,370**	**207,940**	**16,134**	**83,945**	**455,128**
Processing Gain(-) or Loss(+)[1]	-1,881	-13	-1,894	-2,855	-489	-809	-4,153	-448	-5,111	-3,878	-53	-50	-9,540	-345	-3,616	-19,548

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, July 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,831	26	1,857	2,068	264	507	2,839	219	4,674	4,160	109	101	9,263	416	2,333	16,708
Ethane	149	0	149	17	0	0	17	-51	259	5	0	0	213	0	43	422
Propane	1,337	26	1,363	1,998	240	486	2,724	399	3,386	1,911	82	60	5,838	223	1,177	11,325
Normal Butane	285	0	285	21	18	14	53	-294	1,022	2,222	27	31	3,008	163	872	4,381
Isobutane	60	0	60	32	6	7	45	165	7	22	0	10	204	30	241	580
Finished Motor Gasoline	21,574	1,253	22,827	35,784	5,195	12,289	53,268	9,327	51,382	36,717	1,810	1,328	100,564	7,769	37,497	221,925
Finished Leaded Motor Gasoline	2,332	219	2,551	4,887	1,075	4,123	10,085	2,653	8,131	6,916	408	441	18,549	2,914	9,121	43,220
Finished Unleaded Motor Gasoline	19,242	1,034	20,276	30,897	4,120	8,166	43,183	6,674	43,251	29,801	1,402	887	82,015	4,855	28,376	178,705
Finished Aviation Gasoline	11	0	11	89	25	30	144	130	302	214	0	0	646	29	171	1,001
Naphtha-Type Jet Fuel	884	0	884	374	37	232	643	697	1,138	612	214	300	2,961	447	1,535	6,470
Kerosene-Type Jet Fuel	2,646	0	2,646	3,689	511	1,287	5,487	1,007	8,321	7,400	180	42	16,950	865	9,839	35,787
Kerosene	-44	52	8	176	2	54	232	3	1,094	469	40	0	1,606	-27	165	1,984
Distillate Fuel Oil	9,067	1,065	10,132	11,474	2,653	5,656	19,783	3,867	19,598	13,842	1,589	492	39,388	3,716	13,241	86,260
Residual Fuel Oil	4,265	53	4,318	1,566	241	119	1,926	235	5,255	4,915	305	17	10,727	284	10,841	28,096
Naphtha < 400 Deg. for Petro. Feed. Use	372	0	372	365	0	110	475	170	1,960	56	36	-2	2,220	7	59	3,133
Other Oils > 400 Deg. for Petro. Feed. Use	8	0	8	856	0	66	922	134	4,738	1,375	0	0	6,247	15	313	7,505
Special Naphthas	71	20	91	198	0	85	283	67	784	60	160	0	1,071	0	92	1,537
Lubricants	430	381	811	471	0	338	809	28	1,987	563	440	0	3,018	36	548	5,222
Waxes	0	97	97	33	0	36	69	11	145	50	56	0	262	89	79	596
Petroleum Coke	1,278	26	1,304	2,233	596	758	3,587	376	3,513	3,046	134	40	7,109	360	4,305	16,665
Marketable	345	0	345	1,197	451	476	2,124	49	1,695	2,223	82	0	4,049	149	3,264	9,931
Catalyst	933	26	959	1,036	145	282	1,463	327	1,818	823	52	40	3,060	211	1,041	6,734
Asphalt and Road Oil	3,765	276	4,041	4,238	929	1,078	6,245	518	1,026	1,907	946	101	4,498	1,238	2,600	18,622
Still Gas	1,987	185	2,172	3,200	346	1,037	4,583	773	5,516	3,165	192	103	9,749	644	4,647	21,795
Miscellaneous Products	362	51	413	217	43	57	317	3	612	428	0	0	1,043	71	195	2,039
Fuel Use	12	0	12	0	0	0	0	1	0	42	0	0	43	0	2	57
Non-Fuel Use	350	51	401	217	43	57	317	2	612	386	0	0	1,000	71	193	1,982
Total Production	**48,507**	**3,485**	**51,992**	**67,031**	**10,842**	**23,739**	**101,612**	**17,565**	**112,045**	**78,979**	**6,211**	**2,522**	**217,322**	**15,959**	**88,460**	**475,345**
Processing Gain(-) or Loss(+)[1]	-2,225	-50	-2,275	-2,699	-455	-662	-3,816	-560	-4,253	-3,950	-70	-63	-8,896	-345	-4,445	-19,777

1 Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, August 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,771	26	1,797	2,206	270	494	2,970	336	4,703	4,409	112	111	9,671	383	2,199	17,020
Ethane	167	0	167	13	0	0	13	-32	270	14	0	0	252	0	0	432
Propane	1,318	26	1,344	2,165	227	491	2,883	452	3,553	1,968	82	63	6,118	240	1,160	11,745
Normal Butane	270	0	270	31	24	-1	54	-281	842	2,421	30	36	3,048	161	904	4,437
Isobutane	16	0	16	-3	19	4	20	197	38	6	0	12	253	-18	135	406
Finished Motor Gasoline	21,803	1,239	23,042	37,550	5,161	12,564	55,275	8,956	52,386	34,942	1,735	1,385	99,404	8,128	37,622	223,471
Finished Leaded Motor Gasoline	1,759	265	2,024	4,956	1,008	3,422	9,386	2,474	6,913	6,270	239	488	16,384	3,058	10,073	40,925
Finished Unleaded Motor Gasoline	20,044	974	21,018	32,594	4,153	9,142	45,889	6,482	45,473	28,672	1,496	897	83,020	5,070	27,549	182,546
Finished Aviation Gasoline	23	0	23	130	24	23	177	150	224	169	0	0	543	54	203	1,000
Naphtha-Type Jet Fuel	898	0	898	391	7	270	668	650	815	760	158	339	2,722	471	1,629	6,388
Kerosene-Type Jet Fuel	2,310	-3	2,307	3,227	502	1,229	4,958	1,000	8,236	7,603	221	47	17,107	887	10,033	35,292
Kerosene	184	65	249	210	9	2	221	85	1,389	413	11	0	1,898	-12	142	2,498
Distillate Fuel Oil	9,767	1,079	10,846	12,382	2,619	5,727	20,728	3,502	19,520	14,558	1,564	495	39,639	3,864	13,178	88,255
Residual Fuel Oil	3,792	45	3,837	1,641	222	151	2,014	240	4,772	4,081	251	14	9,358	318	11,331	26,858
Naphtha < 400 Deg. for Petro. Feed. Use	217	0	217	417	0	69	486	125	2,135	76	37	2	2,375	-16	172	3,234
Other Oils > 400 Deg. for Petro. Feed. Use	14	0	14	753	0	57	810	169	4,427	1,892	0	0	6,488	9	360	7,681
Special Naphthas	208	26	234	192	0	215	407	85	990	66	168	0	1,309	-2	65	2,013
Lubricants	351	351	702	486	0	347	833	29	1,971	600	475	0	3,075	29	640	5,279
Waxes	0	90	90	10	0	29	39	12	160	53	63	0	288	-12	75	480
Petroleum Coke	1,312	26	1,338	2,492	470	799	3,761	372	3,482	3,340	132	21	7,347	364	3,927	16,737
Marketable	316	0	316	1,401	321	501	2,223	50	1,673	2,486	80	0	4,289	147	2,900	9,875
Catalyst	996	26	1,022	1,091	149	298	1,538	322	1,809	854	52	21	3,058	217	1,027	6,862
Asphalt and Road Oil	4,254	274	4,528	4,563	1,450	1,120	7,133	530	1,075	1,795	901	101	4,402	1,201	2,767	20,031
Still Gas	2,024	170	2,194	3,303	328	1,086	4,717	801	5,450	3,232	196	101	9,780	672	4,625	21,988
Miscellaneous Products	400	48	448	259	41	53	353	20	748	494	0	0	1,262	72	190	2,325
Fuel Use	14	-1	13	0	0	0	0	1	0	44	0	0	45	0	6	64
Non-Fuel Use	386	49	435	259	41	53	353	19	748	450	0	0	1,217	72	184	2,261
Total Production	**49,328**	**3,436**	**52,764**	**70,212**	**11,103**	**24,235**	**105,550**	**17,062**	**112,483**	**78,483**	**6,024**	**2,616**	**216,668**	**16,410**	**89,158**	**480,550**
Processing Gain(-) or Loss(+)[1]	-2,232	-40	-2,272	-3,220	-432	-801	-4,453	-305	-6,071	-3,387	-68	-64	-9,895	-347	-4,435	-21,402

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, September 1988

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,670	28	1,698	1,908	208	436	2,552	388	4,602	3,864	88	94	9,036	346	2,243	15,875
Ethane	152	0	152	13	0	0	13	-31	259	19	0	0	247	0	76	488
Propane	1,341	28	1,369	1,979	203	466	2,648	458	3,446	1,764	83	62	5,813	185	1,145	11,160
Normal Butane	145	0	145	-53	2	-30	-81	-270	856	2,057	5	23	2,671	152	858	3,745
Isobutane	32	0	32	-31	3	0	-28	231	41	24	0	9	305	9	164	482
Finished Motor Gasoline	21,355	1,187	22,542	33,873	4,934	12,015	50,822	8,905	48,284	32,110	1,680	1,377	92,356	6,978	35,746	208,444
Finished Leaded Motor Gasoline	1,901	212	2,113	3,603	1,066	3,476	8,145	2,318	6,246	5,246	234	440	14,484	2,560	8,916	36,218
Finished Unleaded Motor Gasoline	19,454	975	20,429	30,270	3,868	8,539	42,677	6,587	42,038	26,864	1,446	937	77,872	4,418	26,830	172,226
Finished Aviation Gasoline	-2	0	-2	81	31	13	125	123	216	120	0	0	459	26	219	827
Naphtha-Type Jet Fuel	886	0	886	343	38	266	647	650	976	524	156	227	2,533	487	1,391	5,944
Kerosene-Type Jet Fuel	2,308	0	2,308	3,723	533	1,326	5,582	1,050	7,827	7,833	56	50	16,816	683	9,917	35,306
Kerosene	82	42	124	478	256	17	751	0	932	436	28	0	1,396	5	121	2,397
Distillate Fuel Oil	9,683	1,074	10,757	12,420	2,070	5,471	19,961	3,194	17,232	13,207	1,371	492	35,496	3,705	13,391	83,310
Residual Fuel Oil	4,102	47	4,149	1,416	248	162	1,826	203	4,918	3,063	247	13	8,444	326	10,804	25,549
Naphtha < 400 Deg. for Petro. Feed. Use	178	0	178	509	0	103	612	156	1,353	165	38	2	1,714	37	225	2,766
Other Oils > 400 Deg. for Petro. Feed. Use	12	0	12	623	0	46	669	135	3,758	1,146	0	0	5,039	8	394	6,122
Special Naphthas	-63	23	-40	152	0	182	334	118	995	17	150	0	1,280	0	85	1,659
Lubricants	344	371	715	347	0	295	642	40	1,466	666	391	0	2,563	21	374	4,315
Waxes	0	85	85	31	0	33	64	11	115	65	56	0	247	11	64	471
Petroleum Coke	1,284	26	1,310	2,193	448	760	3,401	333	3,279	3,247	126	18	7,003	261	4,052	16,027
Marketable	336	0	336	1,242	302	497	2,041	42	1,612	2,493	79	0	4,226	70	3,040	9,713
Catalyst	948	26	974	951	146	263	1,360	291	1,667	754	47	18	2,777	191	1,012	6,314
Asphalt and Road Oil	3,874	272	4,146	3,948	1,388	1,091	6,427	434	608	1,631	782	102	3,557	1,129	2,590	17,849
Still Gas	1,783	152	1,935	2,892	331	1,047	4,270	747	4,859	3,246	159	93	9,104	602	4,507	20,418
Miscellaneous Products	520	47	567	311	33	53	397	15	579	389	0	0	983	60	206	2,213
Fuel Use	20	0	20	0	0	0	0	1	0	42	0	0	43	0	5	68
Non-Fuel Use	500	47	547	311	33	53	397	14	579	347	0	0	940	60	201	2,145
Total Production	**48,016**	**3,354**	**51,370**	**65,248**	**10,518**	**23,316**	**99,082**	**16,502**	**101,999**	**71,729**	**5,328**	**2,468**	**198,026**	**14,685**	**86,329**	**449,492**
Processing Gain(-) or Loss(+)[1]	-1,992	-44	-2,036	-2,822	-411	-797	-4,030	-512	-3,449	-3,307	-75	-59	-7,402	-266	-4,215	-17,949

[1] Represents the arithmetic difference between input and output.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, October 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,792	59	1,851	1,802	252	341	2,395	281	4,531	4,431	91	77	9,411	246	2,050	15,953
Ethane	128	27	155	3	0	0	3	-74	137	0	0	0	63	0	49	270
Propane	1,430	32	1,462	1,817	235	474	2,526	468	3,629	1,964	79	63	6,203	196	1,205	11,592
Normal Butane	189	0	189	8	16	-133	-109	-269	730	2,430	12	9	2,912	50	730	3,772
Isobutane	45	0	45	-26	1	0	-25	156	35	37	0	5	233	0	66	319
Finished Motor Gasoline	20,349	1,326	21,675	33,129	5,154	13,323	51,606	9,386	49,439	34,357	1,678	1,409	96,269	7,074	35,953	212,577
Finished Leaded Motor Gasoline	1,814	187	2,001	3,757	997	3,832	8,586	2,285	5,530	5,838	429	482	14,564	2,253	9,218	36,622
Finished Unleaded Motor Gasoline	18,535	1,139	19,674	29,372	4,157	9,491	43,020	7,101	43,909	28,519	1,249	927	81,705	4,821	26,735	175,955
Finished Aviation Gasoline	30	0	30	49	21	15	85	132	361	62	0	0	555	14	139	823
Naphtha-Type Jet Fuel	761	0	761	306	20	262	588	770	908	761	214	189	2,842	489	1,763	6,443
Kerosene-Type Jet Fuel	1,871	0	1,871	2,846	454	1,294	4,594	991	9,026	9,082	119	40	19,258	691	9,494	35,908
Kerosene	249	92	341	478	-49	23	452	118	827	487	23	0	1,455	55	168	2,471
Distillate Fuel Oil	9,160	1,092	10,252	13,365	2,403	5,294	21,062	3,482	19,784	14,566	1,302	548	39,682	3,453	13,142	87,591
Residual Fuel Oil	4,149	83	4,232	1,632	242	193	2,067	206	5,684	2,243	245	12	8,390	342	11,382	26,413
Naphtha < 400 Deg. for Petro. Feed. Use	184	0	184	459	0	60	519	100	1,859	128	32	-1	2,118	28	180	3,029
Other Oils > 400 Deg. for Petro. Feed. Use	8	0	8	482	0	57	539	164	3,884	1,830	0	0	5,878	11	303	6,739
Special Naphthas	157	29	186	210	0	242	452	96	1,001	60	170	0	1,327	-6	100	2,059
Lubricants	328	420	748	590	0	286	876	18	2,110	557	424	0	3,109	5	457	5,195
Waxes	0	95	95	24	0	33	57	26	123	55	54	0	258	62	49	521
Petroleum Coke	1,309	0	1,309	1,881	503	702	3,086	338	3,377	3,546	119	19	7,399	315	4,295	16,404
Marketable	342	0	342	1,016	360	416	1,792	38	1,666	2,731	78	0	4,513	151	3,249	10,047
Catalyst	967	0	967	865	143	286	1,294	300	1,711	815	41	19	2,886	164	1,046	6,357
Asphalt and Road Oil	3,546	230	3,776	3,695	884	1,037	5,616	520	797	1,338	772	105	3,532	609	2,204	15,737
Still Gas	1,761	155	1,916	2,645	327	1,025	3,997	743	5,232	3,326	160	86	9,547	571	4,440	20,471
Miscellaneous Products	373	44	417	378	37	58	473	34	767	403	0	0	1,204	57	78	2,229
Fuel Use	13	1	14	0	0	0	0	1	0	40	0	0	41	0	5	60
Non-Fuel Use	360	43	403	378	37	58	473	33	767	363	0	0	1,163	57	73	2,169
Total Production	**46,027**	**3,625**	**49,652**	**63,971**	**10,248**	**24,245**	**98,464**	**17,405**	**109,710**	**77,232**	**5,403**	**2,484**	**212,234**	**14,016**	**86,197**	**460,563**
Processing Gain(-) or Loss(+)[1]	-2,484	-66	-2,550	-2,449	-296	-863	-3,608	-376	-4,672	-4,019	-36	-60	-9,163	-268	-4,590	-20,179

1 Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, November 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,635	28	1,663	1,958	223	184	2,365	152	3,939	4,249	85	73	8,498	166	1,448	14,140
Ethane	154	0	154	0	0	0	0	-51	215	1	0	0	165	0	42	361
Propane	1,367	28	1,395	1,951	260	384	2,595	371	3,073	2,000	72	64	5,580	200	1,110	10,880
Normal Butane	106	0	106	-13	-24	-200	-237	-320	630	2,205	13	5	2,533	-22	250	2,630
Isobutane	8	0	8	20	-13	0	7	152	21	43	0	4	220	-12	46	269
Finished Motor Gasoline	18,582	1,273	19,855	35,406	5,181	12,752	53,339	9,654	49,492	33,614	1,737	1,299	95,796	7,237	35,575	211,802
Finished Leaded Motor Gasoline	1,269	197	1,466	4,295	986	3,284	8,565	2,180	6,907	4,988	201	447	14,723	2,607	8,532	35,893
Finished Unleaded Motor Gasoline	17,313	1,076	18,389	31,111	4,195	9,468	44,774	7,474	42,585	28,626	1,536	852	81,073	4,630	27,043	175,909
Finished Aviation Gasoline	0	0	0	80	21	15	116	124	66	161	0	0	351	12	116	595
Naphtha-Type Jet Fuel	869	0	869	365	27	305	697	925	964	781	216	141	3,027	432	1,550	6,575
Kerosene-Type Jet Fuel	1,568	0	1,568	3,114	372	1,058	4,544	1,067	7,272	8,583	101	37	17,060	784	9,585	33,541
Kerosene	201	80	281	677	54	-22	709	15	1,213	603	38	0	1,869	-26	139	2,972
Distillate Fuel Oil	8,882	1,070	9,952	12,743	2,386	5,424	20,553	3,297	20,449	13,825	1,472	518	39,561	3,632	13,527	87,225
Residual Fuel Oil	3,708	107	3,815	2,028	262	199	2,489	254	5,653	2,618	356	15	8,896	357	11,937	27,494
Naphtha < 400 Deg. for Petro. Feed. Use	213	0	213	405	0	107	512	154	1,686	98	32	0	1,970	9	115	2,819
Other Oils > 400 Deg. for Petro. Feed. Use	10	0	10	600	0	56	656	117	3,989	1,882	0	0	5,988	10	322	6,986
Special Naphthas	385	36	421	163	0	234	397	99	1,146	40	166	0	1,451	-5	87	2,351
Lubricants	425	332	757	513	0	275	788	24	1,895	715	395	0	3,029	9	379	4,962
Waxes	0	77	77	21	0	31	52	10	135	64	42	0	251	59	64	503
Petroleum Coke	1,399	26	1,425	2,235	540	770	3,545	325	3,107	3,762	146	19	7,359	338	4,066	16,733
Marketable	483	0	483	1,254	402	496	2,152	31	1,454	2,856	93	0	4,434	152	3,084	10,305
Catalyst	916	26	942	981	138	274	1,393	294	1,653	906	53	19	2,925	186	982	6,428
Asphalt and Road Oil	2,743	197	2,940	1,562	593	801	2,956	430	716	1,087	791	74	3,098	547	1,496	11,037
Still Gas	1,619	148	1,767	2,861	317	976	4,154	705	5,192	3,009	183	71	9,160	560	4,209	19,850
Miscellaneous Products	383	38	421	285	38	67	390	-5	770	480	0	0	1,245	68	135	2,259
Fuel Use	12	1	13	0	0	0	0	1	0	38	0	0	39	0	7	59
Non-Fuel Use	371	37	408	285	38	67	390	-6	770	442	0	0	1,206	68	128	2,200
Total Production	**42,622**	**3,412**	**46,034**	**65,016**	**10,014**	**23,232**	**98,262**	**17,347**	**107,684**	**75,571**	**5,760**	**2,247**	**208,609**	**14,189**	**84,750**	**451,844**
Processing Gain(-) or Loss(+)[1]	-2,226	-45	-2,271	-2,656	-491	-776	-3,923	-391	-4,296	-3,672	-76	-40	-8,475	-321	-4,262	-19,252

[1] Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 12. Refinery Net Production of Petroleum Products by PAD District, December 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	1,676	28	1,704	2,198	287	160	2,645	227	3,669	4,425	102	70	8,493	175	1,643	14,660
Ethane	148	0	148	0	0	0	0	-71	190	1	0	0	120	0	43	311
Propane	1,377	28	1,405	2,173	238	423	2,834	461	2,706	2,213	85	64	5,529	211	1,394	11,373
Normal Butane	149	0	149	62	29	-263	-172	-265	723	2,169	17	5	2,649	-20	206	2,812
Isobutane	2	0	2	-37	20	0	-17	102	50	42	0	1	195	-16	0	164
Finished Motor Gasoline	19,238	1,318	20,556	38,681	5,308	13,250	57,239	9,569	50,668	38,382	1,892	1,281	101,792	7,367	39,445	226,399
Finished Leaded Motor Gasoline	1,294	162	1,456	3,708	872	3,968	8,548	2,108	5,722	6,191	291	416	14,728	2,441	9,611	36,784
Finished Unleaded Motor Gasoline	17,944	1,156	19,100	34,973	4,436	9,282	48,691	7,461	44,946	32,191	1,601	865	87,064	4,926	29,834	189,615
Finished Aviation Gasoline	12	0	12	60	-8	16	68	104	189	179	0	0	472	12	224	788
Naphtha-Type Jet Fuel	992	0	992	332	31	291	654	845	701	743	191	217	2,697	397	1,990	6,730
Kerosene-Type Jet Fuel	1,659	0	1,659	3,529	461	1,364	5,354	1,072	9,263	9,396	75	36	19,842	822	11,346	39,023
Kerosene	312	141	453	1,076	80	108	1,264	25	527	633	4	0	1,189	23	156	3,085
Distillate Fuel Oil	11,010	1,100	12,110	14,679	2,484	5,554	22,717	3,609	19,559	17,677	1,745	519	43,109	3,616	13,511	95,063
Residual Fuel Oil	5,337	126	5,463	2,552	489	308	3,349	334	6,909	4,131	314	9	11,697	381	12,242	33,132
Naphtha < 400 Deg. for Petro. Feed. Use	229	0	229	418	0	128	546	142	2,397	3	33	-3	2,572	-21	175	3,501
Other Oils > 400 Deg. for Petro. Feed. Use	11	0	11	669	0	49	718	115	3,713	2,125	0	0	5,953	15	271	6,968
Special Naphthas	296	20	316	191	0	218	409	103	1,127	74	158	0	1,462	0	148	2,335
Lubricants	342	392	734	452	0	280	732	14	1,887	618	454	0	2,973	24	537	5,000
Waxes	0	87	87	30	0	26	56	9	142	46	50	0	247	14	71	475
Petroleum Coke	1,386	31	1,417	2,493	507	790	3,790	342	3,078	3,647	161	19	7,247	348	4,506	17,308
Marketable	433	0	433	1,399	358	502	2,259	48	1,320	2,793	97	0	4,258	164	3,421	10,535
Catalyst	953	31	984	1,094	149	288	1,531	294	1,758	854	64	19	2,989	184	1,085	6,773
Asphalt and Road Oil	1,316	184	1,500	1,483	569	617	2,669	312	475	541	692	90	2,110	636	1,628	8,543
Still Gas	1,819	143	1,962	3,106	348	1,064	4,518	692	5,350	3,477	196	89	9,804	569	4,417	21,270
Miscellaneous Products	509	51	560	355	39	87	481	34	775	575	0	0	1,384	72	127	2,624
Fuel Use	24	0	24	0	0	0	0	1	0	47	0	0	48	0	4	76
Non-Fuel Use	485	51	536	355	39	87	481	33	775	528	0	0	1,336	72	123	2,548
Total Production	**46,144**	**3,621**	**49,765**	**72,304**	**10,595**	**24,310**	**107,209**	**17,548**	**110,429**	**86,672**	**6,067**	**2,327**	**223,043**	**14,450**	**92,437**	**486,904**
Processing Gain(-) or Loss(+)[1]	-2,174	-47	-2,221	-3,374	-445	-841	-4,660	-245	-5,295	-4,025	-79	-68	-9,712	-324	-5,139	-22,056

1 Represents the arithmetic difference between input and output.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.9	0.8	3.7	3.4	2.9	2.4	3.1	1.9	3.4	5.9	1.8	4.2	4.2	1.7	2.0	3.4
Finished Motor Gasoline[2]	46.6	34.6	45.7	50.6	51.8	50.4	50.7	48.6	43.0	42.8	25.8	51.3	42.9	49.5	42.9	45.0
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.3	.0	.1	.6	.2	.1	.0	.0	.2	.1	.2	.2
Naphtha-Type Jet Fuel	1.0	0	.9	.6	.2	.9	.6	5.9	.7	1.2	3.7	13.8	1.5	2.8	2.0	1.4
Kerosene-Type Jet Fuel	5.6	.0	5.2	6.8	5.7	6.0	6.5	8.5	8.9	12.2	1.5	2.6	9.8	7.0	13.1	9.2
Kerosene	.2	4.0	.5	1.4	.6	.0	1.0	.1	1.1	1.0	.4	0	1.0	.4	.3	.8
Distillate Fuel Oil	22.9	30.9	23.5	23.1	26.2	28.2	24.5	22.7	23.4	23.4	30.3	21.5	23.5	25.9	16.2	22.4
Residual Fuel Oil	13.7	3.4	13.0	3.5	3.0	.8	2.9	2.2	5.3	5.8	5.5	.5	5.3	2.4	15.6	7.5
Naphtha < 400 Deg. for Petro. Feed. Use	.4	0	.4	.8	0	.5	.7	.3	2.2	.1	.5	-.3	1.2	.0	.3	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	.3	.9	.9	4.8	1.5	0	0	3.1	.0	.4	1.7
Special Naphthas	-.1	.4	-.1	.3	0	.6	.3	.7	.9	.0	3.3	0	.6	.0	.1	.4
Lubricants	.7	11.5	1.5	.7	0	1.7	.9	.1	1.9	.8	8.3	0	1.5	.2	.8	1.2
Waxes	0	3.0	.2	.0	0	.2	.0	.1	.1	.1	.9	0	.1	.0	.1	.1
Petroleum Coke	3.3	.7	3.1	4.1	6.7	3.7	4.3	2.5	3.4	5.2	3.1	.9	4.0	2.8	5.1	4.1
Asphalt and Road Oil	1.8	5.0	2.1	2.7	3.9	3.2	3.0	1.4	.5	.7	12.9	4.5	1.0	5.1	1.4	1.7
Still Gas	4.4	5.2	4.5	4.6	3.8	5.3	4.7	4.8	4.8	4.3	3.0	3.7	4.6	4.7	5.2	4.7
Miscellaneous Products	.9	1.3	.9	.4	.5	.3	.3	.5	.7	.6	.0	0	.6	.4	.3	.5
Processing Gain(-) or Loss(+)[4]	-5.4	-.7	-5.1	-4.5	-5.7	-4.4	-4.6	-1.9	-5.4	-5.6	-1.0	-2.6	-5.1	-3.0	-5.8	-5.0

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] February 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.8	0.7	3.6	3.4	2.7	1.8	3.0	1.3	4.1	5.7	1.8	4.2	4.5	1.9	2.4	3.6
Finished Motor Gasoline[2]	46.8	36.0	46.0	53.9	51.9	52.9	53.5	48.7	45.0	42.7	27.1	51.0	43.9	50.6	41.8	46.0
Finished Aviation Gasoline[3]	.0	.0	.0	.0	.1	.1	.1	.8	.1	.2	.0	.0	.2	.2	.1	.1
Naphtha-Type Jet Fuel	1.4	0	1.3	.5	.0	1.4	.6	5.4	1.0	.6	3.5	13.1	1.4	2.8	1.9	1.4
Kerosene-Type Jet Fuel	5.8	.0	5.4	6.1	4.1	7.0	6.1	7.7	9.9	12.5	.9	2.7	10.4	6.6	12.8	9.3
Kerosene	.5	3.7	.7	1.8	.8	–.5	1.2	.3	1.4	1.0	.3	0	1.1	.1	.3	.9
Distillate Fuel Oil	21.8	29.8	22.4	20.5	26.6	25.7	22.3	23.3	19.5	21.4	30.5	21.8	20.9	25.3	15.5	20.5
Residual Fuel Oil	12.6	3.0	11.9	3.3	3.0	.8	2.7	1.9	5.6	6.1	5.9	.5	5.5	2.7	16.8	7.6
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	.9	0	.5	.7	.9	2.4	.1	.6	.1	1.3	–.1	.3	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	.4	.8	1.1	3.4	2.3	0	0	2.6	.0	.3	1.4
Special Naphthas	.0	.2	.0	.2	0	.6	.3	.8	1.0	.0	3.1	0	.6	.0	.1	.4
Lubricants	.9	10.6	1.6	.9	0	1.8	1.0	.2	2.1	1.0	6.8	0	1.6	.2	1.0	1.3
Waxes	0	2.7	.2	.0	0	.2	.0	.1	.2	.1	.8	0	.2	.4	.1	.1
Petroleum Coke	3.1	.7	2.9	4.1	5.9	3.7	4.2	2.5	3.8	5.4	2.5	.8	4.3	2.5	5.2	4.2
Asphalt and Road Oil	2.3	6.7	2.6	3.1	6.4	3.2	3.5	2.0	.8	.9	14.3	5.0	1.4	5.1	1.5	2.1
Still Gas	4.2	5.4	4.3	4.8	4.2	4.9	4.8	5.2	5.0	4.4	3.0	3.7	4.7	4.6	5.3	4.8
Miscellaneous Products	.8	1.9	.8	.3	.4	.4	.4	.3	.6	.7	.0	0	.6	.4	.2	.5
Processing Gain(-) or Loss(+)[4]	–4.5	–1.3	–4.3	–5.1	–6.0	–4.8	–5.1	–2.6	–6.1	–5.0	–1.2	–2.8	–5.2	–3.3	–5.6	–5.1

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] March 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.4	0.9	4.1	3.6	2.6	1.7	3.1	2.3	4.6	5.0	1.8	5.0	4.5	1.6	2.5	3.7
Finished Motor Gasoline[2]	49.0	35.9	48.0	53.6	52.3	53.7	53.5	46.1	43.6	42.5	26.1	49.7	42.9	49.7	40.2	45.4
Finished Aviation Gasoline[3]	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.2	.1	.1	.1
Naphtha-Type Jet Fuel	1.7	0	1.6	.6	.3	1.3	.7	6.5	1.1	1.3	3.6	13.5	1.8	2.4	1.9	1.6
Kerosene-Type Jet Fuel	5.3	.0	4.9	7.1	5.1	6.7	6.8	8.0	9.3	12.5	2.8	2.0	10.1	5.4	13.4	9.3
Kerosene	.6	1.9	.7	.5	.2	.3	.5	.2	1.1	.3	.2	0	.7	-.3	.1	.5
Distillate Fuel Oil	20.7	31.3	21.5	20.4	25.7	24.3	21.8	24.0	18.9	21.0	28.3	23.0	20.4	27.3	16.5	20.3
Residual Fuel Oil	9.7	3.0	9.2	2.9	2.2	.6	2.3	1.7	5.5	6.2	6.0	.6	5.5	2.5	16.1	7.1
Naphtha < 400 Deg. for Petro. Feed. Use	.3	0	.2	.8	0	.6	.7	.7	2.7	.2	.5	.3	1.6	.1	.3	.9
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.4	0	.4	1.0	.8	4.1	3.0	0	0	3.3	.0	.4	1.8
Special Naphthas	.2	.9	.2	.3	0	.5	.3	.8	.9	.1	2.4	0	.6	.0	.1	.4
Lubricants	1.2	10.0	1.9	.9	0	1.7	1.0	.1	2.3	1.0	7.6	0	1.8	.0	.9	1.4
Waxes	0	2.6	.2	.0	0	.2	.1	.1	.2	.1	.9	0	.2	.1	.1	.1
Petroleum Coke	3.3	.7	3.1	4.1	6.3	3.6	4.2	2.1	3.3	5.6	2.6	.8	4.0	2.7	5.2	4.1
Asphalt and Road Oil	4.0	6.1	4.2	4.0	6.2	3.6	4.1	2.8	.8	1.3	15.1	4.5	1.6	5.4	1.9	2.6
Still Gas	4.4	4.9	4.5	4.9	4.3	4.8	4.8	5.1	5.1	4.5	3.1	3.6	4.8	4.5	5.4	4.9
Miscellaneous Products	.6	1.5	.7	.4	.5	.3	.4	.1	.8	.7	.0	0	.7	.4	.3	.5
Processing Gain(-) or Loss(+)[4]	-5.4	.3	-5.0	-5.4	-5.7	-4.4	-5.2	-2.2	-4.7	-5.5	-1.0	-3.0	-4.6	-2.0	-5.3	-4.8

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] April 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.7	0.3	3.5	3.5	2.5	2.2	3.1	2.5	3.8	5.9	1.8	3.9	4.4	2.4	2.5	3.6
Finished Motor Gasoline[2]	47.0	29.7	45.9	52.9	51.8	51.3	52.4	46.6	45.2	44.8	26.5	47.8	44.7	48.3	42.1	46.1
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.0	.0	.1	.8	.1	.2	.0	.0	.2	.1	.2	.2
Naphtha-Type Jet Fuel	1.2	0	1.2	.8	.3	1.2	.8	4.8	1.2	.9	3.5	14.0	1.6	3.2	1.9	1.5
Kerosene-Type Jet Fuel	5.5	.0	5.2	6.2	5.3	4.9	5.8	6.8	7.7	10.3	2.5	1.7	8.3	4.9	11.5	8.0
Kerosene	–.2	2.4	.0	.0	.1	1.0	.2	.1	.9	.2	.1	0	.6	–.1	.3	.4
Distillate Fuel Oil	20.7	33.6	21.5	22.1	26.5	27.8	23.8	25.2	20.1	20.4	27.7	25.9	20.9	28.9	16.8	21.0
Residual Fuel Oil	10.5	1.9	10.0	2.9	2.8	.6	2.4	1.7	5.6	6.0	4.4	.6	5.4	2.7	15.5	7.0
Naphtha < 400 Deg. for Petro. Feed. Use	1.1	0	1.1	.8	0	.2	.6	.6	2.9	.1	.7	–.3	1.6	–.1	.3	1.0
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	.3	.9	1.1	4.1	3.2	0	0	3.4	.0	.4	1.9
Special Naphthas	.1	.9	.1	.3	0	.3	.3	.6	1.0	.1	3.5	0	.7	.0	.1	.4
Lubricants	.8	16.2	1.7	.8	0	1.8	1.0	.2	2.2	.9	7.5	0	1.7	.2	.7	1.3
Waxes	0	3.1	.2	.0	0	.2	.0	.1	.2	.1	1.0	0	.2	.4	.1	.1
Petroleum Coke	3.1	.4	2.9	3.7	6.5	3.3	3.9	2.4	3.4	4.7	2.0	.8	3.7	2.6	5.0	3.9
Asphalt and Road Oil	6.0	5.0	5.9	4.3	5.1	4.3	4.4	2.7	.8	1.9	16.6	4.4	1.8	5.1	2.0	2.9
Still Gas	4.6	4.8	4.6	4.8	4.3	4.8	4.8	5.4	4.9	4.5	3.0	3.6	4.8	4.4	5.5	4.9
Miscellaneous Products	.7	1.8	.8	.5	.4	.2	.5	.2	.7	.7	.0	0	.6	.3	.2	.5
Processing Gain(-) or Loss(+)[4]	–4.8	–.1	–4.5	–5.0	–5.6	–4.4	–4.9	–1.7	–4.7	–4.8	–.9	–2.4	–4.4	–3.4	–5.1	–4.6

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, May 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.7	0.7	3.4	3.6	2.8	2.6	3.3	2.0	4.2	5.6	1.9	4.0	4.4	2.2	2.3	3.6
Finished Motor Gasoline[2]	42.9	32.3	42.0	54.5	50.6	51.4	53.4	49.1	46.6	45.0	26.6	48.9	45.6	47.1	40.6	46.1
Finished Aviation Gasoline[3]	.0	.0	.0	-.1	.0	.1	.0	1.2	.2	.3	.0	.0	.3	.1	.4	.2
Naphtha-Type Jet Fuel	1.9	0	1.8	.8	.3	1.4	.9	5.9	1.0	1.2	3.8	12.2	1.6	3.0	2.5	1.7
Kerosene-Type Jet Fuel	4.7	.0	4.4	5.7	5.5	5.0	5.5	5.8	7.5	10.3	2.3	1.7	8.2	4.4	11.9	7.8
Kerosene	.3	1.7	.4	.3	-.1	-.3	.1	.1	.9	.1	.1	0	.6	.3	.1	.4
Distillate Fuel Oil	22.3	34.0	23.2	21.3	26.4	27.6	23.3	23.4	19.6	21.6	29.2	24.6	20.9	27.8	18.7	21.5
Residual Fuel Oil	10.0	2.1	9.4	2.5	3.1	.6	2.1	1.6	5.4	5.5	4.8	.6	5.1	2.9	13.5	6.3
Naphtha < 400 Deg. for Petro. Feed. Use	1.4	0	1.3	.6	0	.5	.5	1.0	2.1	.1	.8	.3	1.2	.0	.1	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.2	0	.4	.2	1.2	4.1	1.5	0	0	2.8	.0	.3	1.4
Special Naphthas	.2	.6	.2	.4	0	.4	.3	.7	.9	.1	2.6	0	.6	.0	.2	.4
Lubricants	.9	13.2	1.9	.6	0	1.6	.8	.2	2.2	1.0	7.1	0	1.7	.4	.8	1.3
Waxes	0	2.4	.2	.0	0	.2	.0	.1	.2	.1	1.0	0	.1	.3	.1	.1
Petroleum Coke	3.0	.7	2.8	3.8	6.1	3.4	3.9	2.5	3.4	5.0	2.1	.9	3.9	2.0	5.3	4.0
Asphalt and Road Oil	8.2	7.3	8.1	4.9	6.9	4.4	5.0	2.9	1.0	2.5	15.6	4.0	2.1	7.1	2.7	3.6
Still Gas	4.5	4.7	4.5	4.9	3.8	4.7	4.7	5.3	5.7	4.5	3.0	4.4	5.1	4.1	5.5	5.0
Miscellaneous Products	1.0	1.6	1.1	.6	.4	.2	.5	.1	.7	.7	0	0	.6	.4	.2	.6
Processing Gain(-) or Loss(+)[4]	-4.9	-1.3	-4.6	-4.8	-5.8	-4.3	-4.8	-2.9	-5.5	-5.2	-.8	-1.7	-5.0	-2.1	-5.1	-4.9

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] June 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.2	0.9	4.0	3.3	2.7	2.1	3.0	1.8	4.3	5.2	1.8	5.1	4.3	2.4	2.8	3.6
Finished Motor Gasoline[2]	43.6	36.6	43.1	53.0	49.8	51.2	52.2	48.5	45.8	45.5	25.1	48.4	45.3	47.2	41.0	45.8
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.2	.1	.1	1.2	.2	.2	.0	.0	.2	.2	.2	.2
Naphtha-Type Jet Fuel	1.6	0	1.5	.7	.2	1.1	.7	4.7	1.0	1.3	3.5	13.4	1.6	2.8	1.8	1.5
Kerosene-Type Jet Fuel	5.1	.0	4.7	5.8	5.4	5.9	5.7	7.1	8.0	10.0	2.9	1.8	8.4	5.1	12.8	8.1
Kerosene	.3	1.6	.4	.2	.3	.0	.1	.1	1.0	.2	.5	0	.6	.0	.2	.4
Distillate Fuel Oil	21.5	32.1	22.3	21.5	24.2	26.3	22.9	24.1	19.6	20.0	27.8	24.1	20.4	26.5	17.3	20.8
Residual Fuel Oil	9.2	1.9	8.6	2.5	2.6	.6	2.1	1.4	5.0	6.8	4.7	.6	5.3	1.9	13.2	6.3
Naphtha < 400 Deg. for Petro. Feed. Use	.7	0	.7	.5	0	.6	.4	1.1	2.3	.2	.6	.1	1.4	-.1	.2	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.6	0	.2	.5	.9	4.3	2.3	0	0	3.1	.1	.2	1.6
Special Naphthas	.3	.9	.4	.1	0	.5	.2	.5	1.0	.1	3.1	0	.7	.0	.1	.4
Lubricants	.6	9.0	1.2	.9	0	1.5	1.0	.3	2.2	1.0	8.1	0	1.8	.2	.9	1.3
Waxes	0	2.1	.2	.0	0	.2	.0	.1	.2	.1	1.1	0	.2	.2	.1	.1
Petroleum Coke	2.9	.7	2.8	3.8	5.8	3.5	3.9	2.4	3.3	5.2	2.0	.8	3.9	2.1	5.2	3.9
Asphalt and Road Oil	9.4	8.4	9.3	6.4	9.8	5.0	6.4	3.4	.9	2.2	16.6	4.2	2.1	8.6	3.0	4.2
Still Gas	4.4	5.3	4.4	5.0	3.7	4.9	4.8	5.3	5.3	4.6	3.2	3.9	5.0	4.6	5.4	4.9
Miscellaneous Products	.8	1.0	.8	.4	.4	.3	.4	.2	.8	.8	0	0	.7	.5	.3	.5
Processing Gain(-) or Loss(+)[4]	-4.6	-.4	-4.3	-4.9	-5.1	-3.8	-4.6	-3.1	-5.1	-5.7	-.9	-2.4	-5.0	-2.3	-4.6	-4.7

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, July 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.1	0.8	3.8	3.4	2.6	2.3	3.0	1.4	4.5	5.9	1.9	4.4	4.6	2.8	2.8	3.8
Finished Motor Gasoline[2]	45.0	36.0	44.3	53.6	49.1	50.3	52.4	51.1	46.2	46.0	25.4	50.4	46.0	47.8	43.2	46.7
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.2	.1	.2	.8	.3	.3	.0	.0	.3	.2	.2	.2
Naphtha-Type Jet Fuel	2.0	0	1.8	.6	.4	1.1	.7	4.4	1.1	.9	3.7	13.2	1.5	3.0	1.9	1.5
Kerosene-Type Jet Fuel	5.9	.0	5.5	6.0	5.0	5.9	5.9	6.4	7.9	10.4	3.1	1.8	8.5	5.8	12.0	8.2
Kerosene	-.1	1.5	.0	.3	.0	.2	.2	.0	1.0	.7	.7	0	.8	-.2	.2	.5
Distillate Fuel Oil	20.2	31.2	21.0	18.6	26.0	26.1	21.2	24.6	18.7	19.5	27.4	21.6	19.7	24.7	16.2	19.7
Residual Fuel Oil	9.5	1.6	8.9	2.5	2.4	.5	2.1	1.5	5.0	6.9	5.3	.7	5.4	1.9	13.2	6.4
Naphtha < 400 Deg. for Petro. Feed. Use	.8	0	.8	.6	0	.5	.5	1.1	1.9	.1	.6	-.1	1.1	.0	.1	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.4	0	.3	1.0	.9	4.5	1.9	0	0	3.1	.1	.4	1.7
Special Naphthas	.2	.6	.2	.3	0	.4	.3	.4	.7	.1	2.8	0	.5	.0	.1	.4
Lubricants	1.0	11.2	1.7	.8	0	1.6	.9	.2	1.9	.8	7.6	0	1.5	.2	.7	1.2
Waxes	0	2.8	.2	.1	0	.2	.1	.1	.1	.1	1.0	0	.1	.6	.1	.1
Petroleum Coke	2.8	.8	2.7	3.6	5.8	3.5	3.8	2.4	3.3	4.3	2.3	1.8	3.6	2.4	5.3	3.8
Asphalt and Road Oil	8.4	8.1	8.4	6.9	9.1	5.0	6.7	3.3	1.0	2.7	16.3	4.4	2.3	8.2	3.2	4.2
Still Gas	4.4	5.4	4.5	5.2	3.4	4.8	4.9	4.9	5.3	4.5	3.3	4.5	4.9	4.3	5.7	5.0
Miscellaneous Products	.8	1.5	.9	.4	.4	.3	.3	.0	.6	.6	0	0	.5	.5	.2	.5
Processing Gain(-) or Loss(+)[4]	-5.0	-1.5	-4.7	-4.4	-4.5	-3.1	-4.1	-3.6	-4.1	-5.6	-1.2	-2.8	-4.5	-2.3	-5.4	-4.5

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] August 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.9	0.8	3.7	3.4	2.6	2.2	3.1	2.2	4.6	6.1	2.0	4.8	4.9	2.5	2.7	3.9
Finished Motor Gasoline[2]	44.1	36.5	43.5	54.6	47.4	51.6	53.1	48.9	47.3	44.1	25.6	49.9	45.7	48.4	42.2	46.5
Finished Aviation Gasoline[3]	.1	.0	.0	-.1	.2	.1	.0	1.0	.2	.2	.0	.0	.3	.4	.2	.2
Naphtha-Type Jet Fuel	2.0	0	1.8	.6	.1	1.2	.7	4.3	.8	1.1	2.8	14.6	1.4	3.1	2.0	1.5
Kerosene-Type Jet Fuel	5.1	-.1	4.7	5.0	4.8	5.5	5.1	6.6	8.0	10.6	3.9	2.0	8.7	5.8	12.3	8.0
Kerosene	.4	1.9	.5	.3	.1	.0	.2	.6	1.4	.6	.2	0	1.0	-.1	.2	.6
Distillate Fuel Oil	21.6	31.7	22.3	19.2	25.0	25.5	21.3	23.0	19.0	20.3	27.6	21.3	20.0	25.1	16.2	20.0
Residual Fuel Oil	8.4	1.3	7.9	2.6	2.1	.7	2.1	1.6	4.7	5.7	4.4	.6	4.7	2.1	13.9	6.1
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.4	.6	0	.3	.5	.8	2.1	.1	.7	.1	1.2	-.1	.2	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.2	0	.3	.8	1.1	4.3	2.6	0	0	3.3	.1	.4	1.7
Special Naphthas	.5	.8	.5	.3	0	1.0	.4	.6	1.0	.1	3.0	0	.7	.0	.1	.5
Lubricants	.8	10.3	1.4	.8	0	1.5	.9	.2	1.9	.8	8.4	0	1.6	.2	.8	1.2
Waxes	0	2.6	.2	.0	0	.1	.0	.1	.2	.1	1.1	0	.1	-.1	.1	.1
Petroleum Coke	2.9	.8	2.8	3.9	4.5	3.6	3.9	2.4	3.4	4.6	2.3	.9	3.7	2.4	4.8	3.8
Asphalt and Road Oil	9.4	8.1	9.3	7.1	13.8	5.0	7.3	3.5	1.0	2.5	15.9	4.3	2.2	7.8	3.4	4.5
Still Gas	4.5	5.0	4.5	5.1	3.1	4.8	4.8	5.3	5.3	4.5	3.5	4.3	4.9	4.4	5.7	5.0
Miscellaneous Products	.9	1.4	.9	.4	.4	.2	.4	.1	.7	.7	0	0	.6	.5	.2	.5
Processing Gain(-) or Loss(+)[4]	-4.9	-1.2	-4.7	-5.0	-4.1	-3.6	-4.6	-2.0	-5.9	-4.7	-1.2	-2.7	-5.0	-2.3	-5.4	-4.9

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, September 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.8	0.8	3.6	3.2	2.1	2.1	2.8	2.7	4.8	5.9	1.8	4.3	4.9	2.5	2.8	3.8
Finished Motor Gasoline[2]	44.2	36.1	43.7	51.7	48.3	50.5	51.1	50.9	47.5	44.9	27.2	52.4	46.4	46.4	41.9	46.2
Finished Aviation Gasoline[3]	.0	.0	.0	.2	.3	.1	.2	.9	.2	.2	.0	.0	.3	.2	.3	.2
Naphtha-Type Jet Fuel	2.0	0	1.9	.6	.4	1.3	.7	4.5	1.0	.8	3.2	10.5	1.4	3.5	1.7	1.4
Kerosene-Type Jet Fuel	5.2	.0	4.9	6.3	5.3	6.2	6.2	7.3	8.2	11.9	1.1	2.3	9.2	4.9	12.4	8.5
Kerosene	.2	1.3	.3	.8	2.6	.1	.8	.0	1.0	.7	.6	0	.8	.0	.2	.6
Distillate Fuel Oil	21.9	32.3	22.6	21.0	20.7	25.8	22.1	22.1	18.0	20.0	27.9	22.7	19.4	26.7	16.8	20.1
Residual Fuel Oil	9.3	1.4	8.7	2.4	2.5	.8	2.0	1.4	5.1	4.6	5.0	.6	4.6	2.4	13.5	6.2
Naphtha < 400 Deg. for Petro. Feed. Use	.4	0	.4	.9	0	.5	.7	1.1	1.4	.3	.8	.1	.9	.3	.3	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.1	0	.2	.7	.9	3.9	1.7	0	0	2.7	.1	.5	1.5
Special Naphthas	-.1	.7	-.1	.3	0	.9	.4	.8	1.0	.0	3.1	0	.7	.0	.1	.4
Lubricants	.8	11.2	1.5	.6	0	1.4	.7	.3	1.5	1.0	8.0	0	1.4	.2	.5	1.0
Waxes	0	2.6	.2	.1	0	.2	.1	.1	.1	.1	1.1	0	.1	.1	.1	.1
Petroleum Coke	2.9	.8	2.8	3.7	4.5	3.6	3.8	2.3	3.4	4.9	2.6	.8	3.8	1.9	5.1	3.9
Asphalt and Road Oil	8.8	8.2	8.7	6.7	13.9	5.1	7.1	3.0	.6	2.5	15.9	4.7	1.9	8.1	3.2	4.3
Still Gas	4.0	4.6	4.1	4.9	3.3	4.9	4.7	5.2	5.1	4.9	3.2	4.3	5.0	4.3	5.6	4.9
Miscellaneous Products	1.2	1.4	1.2	.5	.3	.2	.4	.1	.6	.6	0	0	.5	.4	.3	.5
Processing Gain(-) or Loss(+)[4]	-4.5	-1.3	-4.3	-4.8	-4.1	-3.8	-4.5	-3.5	-3.6	-5.0	-1.5	-2.7	-4.0	-1.9	-5.3	-4.3

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] October 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.2	1.7	4.0	3.1	2.7	1.6	2.7	1.8	4.4	6.4	1.8	3.5	4.8	1.9	2.6	3.8
Finished Motor Gasoline[2]	45.4	35.6	44.7	50.4	48.9	52.1	50.7	50.1	45.8	43.8	26.7	53.7	45.0	48.0	42.3	45.7
Finished Aviation Gasoline[3]	.1	.0	.1	.1	.2	.2	.1	.9	.4	.1	.0	.0	.3	.1	.2	.2
Naphtha-Type Jet Fuel	1.8	0	1.7	.5	.2	1.2	.7	5.0	.9	1.1	4.3	8.6	1.5	3.8	2.2	1.5
Kerosene-Type Jet Fuel	4.4	.0	4.1	5.0	4.8	6.1	5.2	6.5	8.8	13.1	2.4	1.8	9.9	5.4	12.0	8.6
Kerosene	.6	2.7	.7	.8	–.5	.1	.5	.8	.8	.7	.5	0	.7	.4	.2	.6
Distillate Fuel Oil	21.6	31.5	22.3	23.3	25.6	25.1	24.0	22.7	19.3	21.1	25.9	25.0	20.4	26.9	16.6	20.9
Residual Fuel Oil	9.8	2.4	9.2	2.8	2.6	.9	2.4	1.3	5.5	3.2	4.9	.5	4.3	2.7	14.4	6.3
Naphtha < 400 Deg. for Petro. Feed. Use	.4	0	.4	.8	0	.3	.6	.7	1.8	.2	.6	.0	1.1	.2	.2	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	.8	0	.3	.6	1.1	3.8	2.6	0	0	3.0	.1	.4	1.6
Special Naphthas	.4	.8	.4	.4	0	1.1	.5	.6	1.0	.1	3.4	0	.7	.0	.1	.5
Lubricants	.8	12.1	1.6	1.0	0	1.4	1.0	.1	2.1	.8	8.4	0	1.6	.0	.6	1.2
Waxes	0	2.7	.2	.0	0	.2	.1	.2	.1	.1	1.1	0	.1	.5	.1	.1
Petroleum Coke	3.1	0	2.8	3.3	5.4	3.3	3.5	2.2	3.3	5.1	2.4	.9	3.8	2.5	5.4	3.9
Asphalt and Road Oil	8.3	6.6	8.2	6.5	9.4	4.9	6.4	3.4	.8	1.9	15.3	4.8	1.8	4.7	2.8	3.7
Still Gas	4.1	4.5	4.2	4.6	3.5	4.9	4.6	4.9	5.1	4.8	3.2	3.9	4.9	4.4	5.6	4.9
Miscellaneous Products	.9	1.3	.9	.7	.4	.3	.5	.2	.7	.6	0	0	.6	.4	.1	.5
Processing Gain(-) or Loss(+)[4]	–5.8	–1.9	–5.5	–4.3	–3.2	–4.1	–4.1	–2.5	–4.6	–5.8	–.7	–2.7	–4.7	–2.1	–5.8	–4.8

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District, November 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	4.1	0.8	3.9	3.4	2.5	0.9	2.7	1.0	4.0	6.3	1.6	3.7	4.5	1.2	1.9	3.5
Finished Motor Gasoline[2]	45.0	37.0	44.4	53.1	52.0	51.7	52.7	50.8	45.3	43.4	25.9	53.8	44.6	50.2	42.4	46.0
Finished Aviation Gasoline[3]	.0	.0	.0	.1	.2	.1	.1	.8	.0	.2	.0	.0	.2	.1	.1	.1
Naphtha-Type Jet Fuel	2.2	0	2.0	.6	.3	1.5	.8	6.2	1.0	1.2	4.1	7.2	1.6	3.2	2.0	1.6
Kerosene-Type Jet Fuel	4.0	.0	3.6	5.4	4.1	5.3	5.2	7.2	7.4	12.7	1.9	1.9	9.1	5.9	12.3	8.2
Kerosene	.5	2.4	.7	1.2	.6	-.1	.8	.1	1.2	.9	.7	0	1.0	-.2	.2	.7
Distillate Fuel Oil	22.4	32.2	23.1	22.2	26.4	26.9	23.7	22.2	20.8	20.4	27.6	26.3	21.0	27.3	17.4	21.3
Residual Fuel Oil	9.3	3.2	8.9	3.5	2.9	1.0	2.9	1.7	5.7	3.9	6.7	.8	4.7	2.7	15.3	6.7
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	.7	0	.5	.6	1.0	1.7	.1	.6	.0	1.0	.1	.1	.7
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.0	0	.3	.8	.8	4.1	2.8	0	0	3.2	.1	.4	1.7
Special Naphthas	1.0	1.1	1.0	.3	0	1.2	.5	.7	1.2	.1	3.1	0	.8	.0	.1	.6
Lubricants	1.1	10.0	1.8	.9	0	1.4	.9	.2	1.9	1.1	7.4	0	1.6	.1	.5	1.2
Waxes	0	2.3	.2	.0	0	.2	.1	.1	.1	.1	.8	0	.1	.4	.1	.1
Petroleum Coke	3.5	.8	3.3	3.9	6.0	3.8	4.1	2.2	3.2	5.6	2.7	1.0	3.9	2.5	5.2	4.1
Asphalt and Road Oil	6.9	5.9	6.8	2.7	6.6	4.0	3.4	2.9	.7	1.6	14.9	3.8	1.6	4.1	1.9	2.7
Still Gas	4.1	4.5	4.1	5.0	3.5	4.8	4.8	4.8	5.3	4.4	3.4	3.6	4.9	4.2	5.4	4.9
Miscellaneous Products	1.0	1.1	1.0	.5	.4	.3	.5	.0	.8	.7	0	0	.7	.5	.2	.6
Processing Gain(-) or Loss(+)[4]	-5.6	-1.4	-5.3	-4.6	-5.4	-3.9	-4.5	-2.6	-4.4	-5.4	-1.4	-2.0	-4.5	-2.4	-5.5	-4.7

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 13. Percent Refinery Yield of Petroleum Products by PAD District,[1] December 1988

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases	3.9	0.8	3.6	3.4	3.0	0.7	2.8	1.5	3.7	5.7	1.8	3.4	4.2	1.3	1.9	3.3
Finished Motor Gasoline[2]	43.1	36.8	42.6	52.6	50.0	52.6	52.4	49.6	45.3	43.1	26.6	52.9	44.4	50.0	44.0	46.0
Finished Aviation Gasoline[3]	.0	.0	.0	.1	-.1	.2	.1	.7	.2	.2	.0	.0	.2	.1	.2	.2
Naphtha-Type Jet Fuel	2.3	0	2.1	.5	.3	1.3	.7	5.5	.7	1.0	3.4	10.4	1.3	2.9	2.3	1.5
Kerosene-Type Jet Fuel	3.8	.0	3.5	5.5	4.8	6.3	5.6	7.0	9.3	12.1	1.3	1.7	9.9	6.1	13.3	8.8
Kerosene	.7	4.0	1.0	1.7	.8	.5	1.3	.2	.5	.8	.1	0	.6	.2	.2	.7
Distillate Fuel Oil	25.3	30.8	25.8	23.0	25.6	25.7	23.9	23.5	19.6	22.7	31.3	25.0	21.5	26.8	15.8	21.5
Residual Fuel Oil	12.3	3.5	11.6	4.0	5.0	1.4	3.5	2.2	6.9	5.3	5.6	.4	5.8	2.8	14.3	7.5
Naphtha < 400 Deg. for Petro. Feed. Use	.5	0	.5	.7	0	.6	.6	.9	2.4	.0	.6	-.1	1.3	-.2	.2	.8
Other Oils > 400 Deg. for Petro. Feed. Use	.0	0	.0	1.0	0	.2	.8	.7	3.7	2.7	0	0	3.0	.1	.3	1.6
Special Naphthas	.7	.6	.7	.3	0	1.0	.4	.7	1.1	.1	2.8	0	.7	.0	.2	.5
Lubricants	.8	11.0	1.6	.7	0	1.3	.8	.1	1.9	.8	8.1	0	1.5	.2	.6	1.1
Waxes	0	2.4	.2	.0	0	.1	.1	.1	.1	.1	.9	0	.1	.1	.1	.1
Petroleum Coke	3.2	.9	3.0	3.9	5.2	3.7	4.0	2.2	3.1	4.7	2.9	.9	3.6	2.6	5.3	3.9
Asphalt and Road Oil	3.0	5.2	3.2	2.3	5.9	2.9	2.8	2.0	.5	.7	12.4	4.3	1.1	4.7	1.9	1.9
Still Gas	4.2	4.0	4.2	4.9	3.6	4.9	4.7	4.5	5.4	4.5	3.5	4.3	4.9	4.2	5.2	4.8
Miscellaneous Products	1.2	1.4	1.2	.6	.4	.4	.5	.2	.8	.7	0	0	.7	.5	.1	.6
Processing Gain(-) or Loss(+)[4]	-5.0	-1.3	-4.7	-5.3	-4.6	-3.9	-4.9	-1.6	-5.3	-5.2	-1.4	-3.3	-4.8	-2.4	-6.0	-5.0

1 Based on crude oil input and net reruns of unfinished oils.
2 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
3 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
4 Represents the difference between Input and Production.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, January 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1 2]	**34,315**	**27,238**	**76,900**	**1,597**	**4,465**	**144,515**	**4,662**
Natural Gas Liquids	**2,045**	**3,565**	**706**	**722**	**301**	**7,340**	**237**
Pentanes Plus	252	30	1	47	0	330	11
Liquefied Petroleum Gases	1,793	3,535	705	675	301	7,010	226
Ethane	1	0	0	0	6	7	(s)
Propane	693	2,468	308	381	56	3,905	126
Normal Butane	715	693	255	192	155	2,010	65
Isobutane	385	373	142	103	84	1,087	35
Other Liquids [1]	**4,839**	**0**	**7,705**	**0**	**545**	**13,089**	**422**
Unfinished Oils [1]	3,815	0	7,685	0	545	12,045	389
Naphthas and Lighter	24	0	1,200	0	293	1,517	49
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,430	0	1,394	0	252	5,076	164
Residuum	361	0	5,091	0	0	5,452	176
Motor Gasoline Blending Components	1,024	0	20	0	0	1,044	34
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**49,608**	**1,766**	**4,362**	**141**	**1,792**	**57,668**	**1,860**
Finished Motor Gasoline	10,834	69	0	40	136	11,079	357
Finished Leaded Motor Gasoline	205	0	0	2	20	227	7
Finished Unleaded Motor Gasoline	10,629	69	0	38	116	10,852	350
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	79	0	0	0	79	3
Kerosene-Type Jet Fuel	1,070	1,250	104	0	126	2,549	82
Bonded Aircraft Fuel	492	1,250	104	0	100	1,945	63
Other	578	0	0	0	26	604	19
Kerosene	539	0	488	0	0	1,027	33
Distillate Fuel Oil	12,835	153	2	101	63	13,154	424
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	12,835	153	2	101	63	13,154	424
Residual Fuel Oil	23,026	130	402	0	1,401	24,959	805
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	23,026	130	402	0	1,401	24,959	805
Naphtha < 400 Deg. for Petro. Feed. Use	235	22	1,641	0	0	1,898	61
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,510	0	0	1,510	49
Special Naphthas	19	31	160	0	11	221	7
Lubricants	369	12	2	0	19	402	13
Waxes	27	15	0	0	6	48	2
Petroleum Coke	20	0	20	0	23	63	2
Asphalt and Road Oil	578	2	33	0	5	618	20
Miscellaneous Products	56	3	0	0	0	59	2
Total Imports	**90,807**	**32,568**	**89,673**	**2,460**	**7,103**	**222,611**	**7,181**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, February 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**35,475**	**23,070**	**69,874**	**1,687**	**4,757**	**134,863**	**4,650**
Natural Gas Liquids	**2,283**	**3,463**	**1,175**	**579**	**339**	**7,840**	**270**
Pentanes Plus	418	40	214	75	0	747	26
Liquefied Petroleum Gases	1,865	3,423	961	504	339	7,093	245
Ethane	3	(s)	0	0	4	7	(s)
Propane	1,391	2,262	0	279	69	4,001	138
Normal Butane	306	755	625	147	173	2,005	69
Isobutane	165	406	336	79	93	1,080	37
Other Liquids [1]	**4,223**	**0**	**5,564**	**0**	**307**	**10,094**	**348**
Unfinished Oils [1]	2,962	0	5,546	0	0	8,508	293
Naphthas and Lighter	4	0	1,314	0	0	1,318	45
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	2,644	0	1,516	0	0	4,160	143
Residuum	314	0	2,716	0	0	3,030	104
Motor Gasoline Blending Components	1,261	0	18	0	307	1,586	55
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**47,870**	**776**	**5,835**	**144**	**2,998**	**57,622**	**1,987**
Finished Motor Gasoline	10,551	77	39	39	802	11,508	397
Finished Leaded Motor Gasoline	347	0	39	0	11	397	14
Finished Unleaded Motor Gasoline	10,204	77	0	39	791	11,111	383
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	77	0	0	3	80	3
Kerosene-Type Jet Fuel	1,290	269	111	0	291	1,960	68
Bonded Aircraft Fuel	997	269	0	0	286	1,551	53
Other	293	0	111	0	5	409	14
Kerosene	340	0	228	0	0	568	20
Distillate Fuel Oil	10,794	150	0	103	60	11,107	383
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	10,794	150	0	103	60	11,107	383
Residual Fuel Oil	24,071	129	227	0	1,689	26,116	901
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	24,071	129	227	0	1,689	26,116	901
Naphtha < 400 Deg. for Petro. Feed. Use	14	17	2,516	0	37	2,584	89
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	2,590	0	0	2,590	89
Special Naphthas	25	28	0	0	7	60	2
Lubricants	300	12	21	0	64	397	14
Waxes	33	10	2	2	9	56	2
Petroleum Coke	0	0	95	0	23	118	4
Asphalt and Road Oil	430	3	6	0	11	450	16
Miscellaneous Products	22	4	0	0	0	26	1
Total Imports	**89,850**	**27,309**	**82,448**	**2,410**	**8,401**	**210,419**	**7,256**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, March 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**37,598**	**30,636**	**75,886**	**1,724**	**5,068**	**150,912**	**4,868**
Natural Gas Liquids	**1,349**	**2,753**	**623**	**449**	**295**	**5,469**	**176**
Pentanes Plus	296	38	3	31	0	368	12
Liquefied Petroleum Gases	1,053	2,715	620	418	295	5,101	165
Ethane	7	61	46	0	2	116	4
Propane	731	1,615	148	212	44	2,750	89
Normal Butane	204	675	276	134	162	1,451	47
Isobutane	110	364	150	72	87	783	25
Other Liquids [1]	**4,397**	**21**	**6,433**	**0**	**33**	**10,884**	**351**
Unfinished Oils [1]	3,097	0	6,416	0	33	9,546	308
Naphthas and Lighter	241	0	1,319	0	33	1,593	51
Kerosene and Light Gas Oils	0	0	584	0	0	584	19
Heavy Gas Oils	2,377	0	1,408	0	0	3,785	122
Residuum	479	0	3,105	0	0	3,584	116
Motor Gasoline Blending Components	1,300	21	17	0	0	1,338	43
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**39,887**	**915**	**5,326**	**207**	**1,675**	**48,009**	**1,549**
Finished Motor Gasoline	9,793	139	477	38	367	10,814	349
Finished Leaded Motor Gasoline	253	0	0	1	43	297	10
Finished Unleaded Motor Gasoline	9,540	139	477	37	324	10,517	339
Finished Aviation Gasoline	0	0	0	0	2	2	(s)
Naphtha-Type Jet Fuel	0	63	0	0	3	66	2
Kerosene-Type Jet Fuel	2,058	148	141	0	594	2,940	95
Bonded Aircraft Fuel	1,294	148	141	0	565	2,147	69
Other	764	0	0	0	29	793	26
Kerosene	443	0	0	0	0	443	14
Distillate Fuel Oil	7,198	218	0	167	65	7,648	247
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	7,198	218	0	167	65	7,648	247
Residual Fuel Oil	18,863	218	769	0	310	20,160	650
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	18,863	218	769	0	310	20,160	650
Naphtha < 400 Deg. for Petro. Feed. Use	202	12	1,671	0	36	1,921	62
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,934	0	214	2,148	69
Special Naphthas	13	79	155	1	45	293	9
Lubricants	344	13	44	0	0	401	13
Waxes	23	19	2	1	5	50	2
Petroleum Coke	0	0	30	0	23	53	2
Asphalt and Road Oil	895	3	100	0	11	1,009	33
Miscellaneous Products	55	3	3	0	0	61	2
Total Imports	**83,230**	**34,325**	**88,268**	**2,380**	**7,071**	**215,274**	**6,944**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, April 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**30,940**	**31,894**	**83,730**	**1,781**	**6,667**	**155,012**	**5,167**
Natural Gas Liquids	**1,367**	**2,361**	**2,260**	**288**	**215**	**6,492**	**216**
Pentanes Plus	307	38	6	0	0	351	12
Liquefied Petroleum Gases	1,060	2,323	2,254	288	215	6,141	205
Ethane	2	42	0	0	6	50	2
Propane	566	1,427	486	141	19	2,639	88
Normal Butane	319	556	1,141	96	123	2,236	75
Isobutane	172	299	627	52	66	1,216	41
Other Liquids [1]	**5,003**	**238**	**8,770**	**0**	**413**	**14,424**	**481**
Unfinished Oils [1]	3,567	238	8,739	0	413	12,957	432
Naphthas and Lighter	245	238	1,712	0	0	2,195	73
Kerosene and Light Gas Oils	217	0	686	0	0	903	30
Heavy Gas Oils	1,999	0	800	0	413	3,212	107
Residuum	1,106	0	5,541	0	0	6,647	222
Motor Gasoline Blending Components	1,436	0	31	0	0	1,467	49
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**31,998**	**663**	**6,759**	**216**	**2,547**	**42,183**	**1,406**
Finished Motor Gasoline	9,422	155	713	65	1,623	11,978	399
Finished Leaded Motor Gasoline	230	1	0	5	36	272	9
Finished Unleaded Motor Gasoline	9,192	154	713	60	1,587	11,706	390
Finished Aviation Gasoline	0	0	0	0	4	4	(s)
Naphtha-Type Jet Fuel	0	89	0	0	0	89	3
Kerosene-Type Jet Fuel	1,870	56	190	0	306	2,422	81
Bonded Aircraft Fuel	1,213	56	64	0	204	1,537	51
Other	657	0	126	0	102	885	30
Kerosene	229	0	0	0	0	229	8
Distillate Fuel Oil	5,925	168	0	150	70	6,313	210
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	5,925	168	0	150	70	6,313	210
Residual Fuel Oil	12,967	79	1,521	0	294	14,861	495
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	12,967	79	1,521	0	294	14,861	495
Naphtha < 400 Deg. for Petro. Feed. Use	328	9	2,155	0	37	2,529	84
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	2,036	0	0	2,036	68
Special Naphthas	25	79	51	0	8	163	5
Lubricants	306	9	26	0	18	359	12
Waxes	27	10	2	0	7	46	2
Petroleum Coke	21	0	0	0	23	44	1
Asphalt and Road Oil	824	3	65	1	157	1,050	35
Miscellaneous Products	54	6	0	0	0	60	2
Total Imports	**69,307**	**35,156**	**101,520**	**2,285**	**9,842**	**218,111**	**7,270**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, May 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**35,186**	**33,657**	**85,462**	**2,096**	**9,109**	**165,510**	**5,339**
Natural Gas Liquids	**1,032**	**1,877**	**1,774**	**352**	**355**	**5,389**	**174**
Pentanes Plus	243	28	0	0	0	271	9
Liquefied Petroleum Gases	789	1,849	1,774	352	355	5,118	165
Ethane	7	(s)	0	1	11	19	1
Propane	563	1,291	403	116	64	2,437	79
Normal Butane	142	363	886	153	182	1,725	56
Isobutane	76	195	485	82	98	937	30
Other Liquids [1]	**6,479**	**867**	**6,937**	**0**	**1,033**	**15,316**	**494**
Unfinished Oils [1]	3,954	867	6,780	0	1,033	12,634	408
Naphthas and Lighter	490	0	1,353	0	0	1,843	59
Kerosene and Light Gas Oils	0	0	521	0	0	521	17
Heavy Gas Oils	2,636	499	650	0	789	4,574	148
Residuum	828	368	4,256	0	244	5,696	184
Motor Gasoline Blending Components	2,525	0	157	0	0	2,682	87
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**35,349**	**1,745**	**5,897**	**166**	**2,161**	**45,318**	**1,462**
Finished Motor Gasoline	12,355	86	350	45	720	13,556	437
Finished Leaded Motor Gasoline	539	2	0	2	0	543	18
Finished Unleaded Motor Gasoline	11,816	84	350	43	720	13,013	420
Finished Aviation Gasoline	0	0	0	0	85	85	3
Naphtha-Type Jet Fuel	0	100	0	0	10	110	4
Kerosene-Type Jet Fuel	1,903	1,224	0	0	230	3,357	108
Bonded Aircraft Fuel	1,116	1,224	0	0	0	2,340	75
Other	787	0	0	0	230	1,017	33
Kerosene	77	0	0	0	0	77	2
Distillate Fuel Oil	7,030	111	311	114	272	7,838	253
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	7,030	111	311	114	272	7,838	253
Residual Fuel Oil	12,290	39	350	0	711	13,390	432
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	12,290	39	350	0	711	13,390	432
Naphtha < 400 Deg. for Petro. Feed. Use	185	9	2,657	0	36	2,887	93
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	2,026	0	0	2,026	65
Special Naphthas	85	80	86	0	12	263	8
Lubricants	325	12	51	0	0	388	13
Waxes	46	15	0	1	9	71	2
Petroleum Coke	0	0	54	0	0	54	2
Asphalt and Road Oil	1,005	62	10	6	76	1,159	37
Miscellaneous Products	48	7	2	0	0	57	2
Total Imports	**78,045**	**38,146**	**100,070**	**2,614**	**12,658**	**231,533**	**7,469**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, June 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**37,952**	**27,400**	**86,085**	**2,116**	**6,114**	**159,667**	**5,322**
Natural Gas Liquids	**527**	**2,465**	**1,088**	**228**	**255**	**4,563**	**152**
Pentanes Plus	224	28	0	0	0	252	8
Liquefied Petroleum Gases	303	2,437	1,088	228	255	4,311	144
Ethane	5	(s)	0	0	(s)	6	(s)
Propane	148	1,797	192	122	60	2,318	77
Normal Butane	98	416	580	69	127	1,289	43
Isobutane	53	224	316	37	68	698	23
Other Liquids [1]	**4,902**	**0**	**9,486**	**0**	**0**	**14,388**	**480**
Unfinished Oils [1]	3,285	0	9,042	0	0	12,327	411
Naphthas and Lighter	235	0	1,190	0	0	1,425	48
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	1,489	0	1,554	0	0	3,043	101
Residuum	1,561	0	6,298	0	0	7,859	262
Motor Gasoline Blending Components	1,617	0	444	0	0	2,061	69
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**29,911**	**667**	**5,815**	**151**	**2,005**	**38,549**	**1,285**
Finished Motor Gasoline	11,209	57	99	50	1,424	12,839	428
Finished Leaded Motor Gasoline	526	2	0	2	0	530	18
Finished Unleaded Motor Gasoline	10,683	55	99	48	1,424	12,309	410
Finished Aviation Gasoline	0	0	13	0	5	18	1
Naphtha-Type Jet Fuel	0	98	0	0	0	98	3
Kerosene-Type Jet Fuel	1,906	138	90	0	106	2,240	75
Bonded Aircraft Fuel	774	138	90	0	100	1,102	37
Other	1,132	0	0	0	6	1,138	38
Kerosene	263	0	0	0	0	263	9
Distillate Fuel Oil	6,026	130	301	94	98	6,649	222
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,026	130	301	94	98	6,649	222
Residual Fuel Oil	8,820	113	877	0	276	10,086	336
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	8,820	113	877	0	276	10,086	336
Naphtha < 400 Deg. for Petro. Feed. Use	228	10	2,508	0	0	2,746	92
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,837	0	0	1,837	61
Special Naphthas	94	70	63	0	9	236	8
Lubricants	161	16	0	0	30	207	7
Waxes	23	11	4	1	5	44	1
Petroleum Coke	0	0	0	0	8	8	(s)
Asphalt and Road Oil	1,151	16	18	6	44	1,235	41
Miscellaneous Products	30	8	5	0	0	43	1
Total Imports	**73,292**	**30,532**	**102,474**	**2,495**	**8,375**	**217,167**	**7,239**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, July 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**35,613**	**27,233**	**88,780**	**2,108**	**4,366**	**158,100**	**5,100**
Natural Gas Liquids	**1,050**	**1,939**	**3,926**	**240**	**105**	**7,260**	**234**
Pentanes Plus	0	35	2	0	0	37	1
Liquefied Petroleum Gases	1,050	1,904	3,924	240	105	7,223	233
Ethane	6	0	(s)	0	2	8	(s)
Propane	858	1,148	1,778	101	19	3,903	126
Normal Butane	121	492	1,390	90	55	2,148	69
Isobutane	65	265	756	49	30	1,164	38
Other Liquids [1]	**6,339**	**0**	**8,331**	**0**	**64**	**14,734**	**475**
Unfinished Oils [1]	4,362	0	8,028	0	64	12,454	402
Naphthas and Lighter	534	0	2,455	0	0	2,989	96
Kerosene and Light Gas Oils	0	0	367	0	0	367	12
Heavy Gas Oils	2,763	0	470	0	64	3,297	106
Residuum	1,065	0	4,736	0	0	5,801	187
Motor Gasoline Blending Components	1,977	0	303	0	0	2,280	74
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**35,027**	**988**	**6,971**	**188**	**2,935**	**46,109**	**1,487**
Finished Motor Gasoline	12,293	167	988	76	1,422	14,946	482
Finished Leaded Motor Gasoline	263	13	0	7	37	320	10
Finished Unleaded Motor Gasoline	12,030	154	988	69	1,385	14,626	472
Finished Aviation Gasoline	0	0	0	0	6	6	(s)
Naphtha-Type Jet Fuel	0	91	0	0	7	98	3
Kerosene-Type Jet Fuel	1,553	363	90	0	619	2,625	85
Bonded Aircraft Fuel	858	363	65	0	420	1,706	55
Other	695	0	25	0	199	919	30
Kerosene	13	0	0	0	0	13	(s)
Distillate Fuel Oil	6,238	159	299	104	72	6,872	222
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	6,238	159	299	104	72	6,872	222
Residual Fuel Oil	13,335	64	853	0	606	14,858	479
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	13,335	64	853	0	606	14,858	479
Naphtha < 400 Deg. for Petro. Feed. Use	166	14	1,960	0	73	2,213	71
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	2,511	0	0	2,511	81
Special Naphthas	73	30	101	0	12	216	7
Lubricants	259	14	40	0	0	313	10
Waxes	33	11	3	0	6	53	2
Petroleum Coke	0	0	84	0	26	110	4
Asphalt and Road Oil	1,001	70	17	8	86	1,182	38
Miscellaneous Products	63	5	25	0	0	93	3
Total Imports	**78,029**	**30,160**	**108,009**	**2,536**	**7,470**	**226,204**	**7,297**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, August 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**38,374**	**23,988**	**86,286**	**2,121**	**6,997**	**157,766**	**5,089**
Natural Gas Liquids	**1,200**	**2,547**	**3,855**	**306**	**172**	**8,079**	**261**
Pentanes Plus	507	35	0	54	0	596	19
Liquefied Petroleum Gases	693	2,512	3,855	252	172	7,483	241
Ethane	1	81	0	0	1	83	3
Propane	533	1,634	1,411	113	29	3,720	120
Normal Butane	103	518	1,573	90	93	2,377	77
Isobutane	55	279	870	49	50	1,303	42
Other Liquids [1]	**5,024**	**0**	**6,761**	**0**	**0**	**11,785**	**380**
Unfinished Oils [1]	3,648	0	6,490	0	0	10,138	327
Naphthas and Lighter	4	0	2,013	0	0	2,017	65
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,255	0	652	0	0	3,907	126
Residuum	389	0	3,825	0	0	4,214	136
Motor Gasoline Blending Components	1,376	0	271	0	0	1,647	53
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**41,488**	**1,304**	**5,733**	**184**	**2,618**	**51,327**	**1,656**
Finished Motor Gasoline	13,855	153	101	72	1,128	15,309	494
Finished Leaded Motor Gasoline	136	9	0	9	58	212	7
Finished Unleaded Motor Gasoline	13,719	144	101	63	1,070	15,097	487
Finished Aviation Gasoline	0	0	0	0	4	4	(s)
Naphtha-Type Jet Fuel	0	101	0	0	4	105	3
Kerosene-Type Jet Fuel	1,460	201	374	0	1,052	3,087	100
Bonded Aircraft Fuel	1,112	201	145	0	496	1,954	63
Other	348	0	229	0	556	1,133	37
Kerosene	235	0	0	0	0	235	8
Distillate Fuel Oil	8,284	189	0	109	66	8,648	279
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	8,284	189	0	109	66	8,648	279
Residual Fuel Oil	15,910	380	1,450	1	271	18,012	581
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	15,910	380	1,450	1	271	18,012	581
Naphtha < 400 Deg. for Petro. Feed. Use	187	22	1,935	0	0	2,144	69
Other Oils > 400 Deg. for Petro. Feed. Use	228	0	1,590	0	0	1,818	59
Special Naphthas	82	60	153	0	12	307	10
Lubricants	194	21	0	0	3	218	7
Waxes	21	13	1	2	7	44	1
Petroleum Coke	0	0	30	0	22	52	2
Asphalt and Road Oil	982	158	89	0	49	1,278	41
Miscellaneous Products	50	6	10	0	0	66	2
Total Imports	**86,086**	**27,838**	**102,635**	**2,611**	**9,788**	**228,957**	**7,386**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, September 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**36,575**	**25,293**	**85,824**	**2,213**	**6,450**	**156,355**	**5,212**
Natural Gas Liquids	**916**	**2,736**	**1,794**	**290**	**257**	**5,992**	**200**
Pentanes Plus	118	38	2	0	0	158	5
Liquefied Petroleum Gases	798	2,698	1,792	290	257	5,834	194
Ethane	28	0	1	0	1	30	1
Propane	565	2,037	452	138	28	3,220	107
Normal Butane	133	429	862	99	148	1,671	56
Isobutane	72	231	477	53	80	913	30
Other Liquids [1]	**5,229**	**0**	**5,626**	**0**	**13**	**10,868**	**362**
Unfinished Oils [1]	4,029	0	5,334	0	0	9,363	312
Naphthas and Lighter	4	0	745	0	0	749	25
Kerosene and Light Gas Oils	0	0	126	0	0	126	4
Heavy Gas Oils	3,330	0	1,299	0	0	4,629	154
Residuum	695	0	3,164	0	0	3,859	129
Motor Gasoline Blending Components	1,200	0	292	0	13	1,505	50
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**40,346**	**558**	**5,885**	**129**	**5,037**	**51,954**	**1,732**
Finished Motor Gasoline	11,107	121	341	36	1,692	13,297	443
Finished Leaded Motor Gasoline	113	0	0	0	14	127	4
Finished Unleaded Motor Gasoline	10,994	121	341	36	1,678	13,170	439
Finished Aviation Gasoline	0	0	12	0	5	17	1
Naphtha-Type Jet Fuel	0	76	0	0	3	79	3
Kerosene-Type Jet Fuel	1,443	84	2	0	229	1,757	59
Bonded Aircraft Fuel	643	84	0	0	221	947	32
Other	800	0	2	0	8	810	27
Kerosene	164	0	227	0	0	391	13
Distillate Fuel Oil	8,484	155	0	91	474	9,204	307
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	8,484	155	0	91	474	9,204	307
Residual Fuel Oil	17,460	26	1,253	1	2,197	20,937	698
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	17,460	26	1,253	1	2,197	20,937	698
Naphtha < 400 Deg. for Petro. Feed. Use	374	9	1,965	0	72	2,420	81
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,988	0	310	2,298	77
Special Naphthas	2	33	27	0	14	76	3
Lubricants	267	17	36	0	13	333	11
Waxes	17	12	0	1	10	40	1
Petroleum Coke	0	0	0	0	9	9	(s)
Asphalt and Road Oil	971	20	27	0	9	1,027	34
Miscellaneous Products	57	5	7	0	0	69	2
Total Imports	**83,066**	**28,586**	**99,129**	**2,632**	**11,756**	**225,169**	**7,506**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, October 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**40,611**	**35,694**	**88,578**	**1,480**	**5,717**	**172,080**	**5,551**
Natural Gas Liquids	**1,046**	**2,664**	**2,551**	**368**	**406**	**7,035**	**227**
Pentanes Plus	241	28	4	62	0	335	11
Liquefied Petroleum Gases	805	2,636	2,547	306	406	6,700	216
Ethane	34	0	(s)	0	1	36	1
Propane	389	1,638	943	211	30	3,212	104
Normal Butane	248	648	1,043	62	244	2,244	72
Isobutane	133	349	561	33	131	1,208	39
Other Liquids [1]	**5,279**	**0**	**6,469**	**0**	**1**	**11,749**	**379**
Unfinished Oils [1]	4,048	0	6,204	0	1	10,253	331
Naphthas and Lighter	3	0	1,417	0	1	1,421	46
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,354	0	1,807	0	0	5,161	166
Residuum	691	0	2,980	0	0	3,671	118
Motor Gasoline Blending Components	1,231	0	265	0	0	1,496	48
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**39,798**	**1,378**	**5,437**	**155**	**5,096**	**51,864**	**1,673**
Finished Motor Gasoline	9,723	211	0	37	944	10,915	352
Finished Leaded Motor Gasoline	57	0	0	0	3	60	2
Finished Unleaded Motor Gasoline	9,666	211	0	37	941	10,855	350
Finished Aviation Gasoline	0	0	0	0	4	4	(s)
Naphtha-Type Jet Fuel	0	83	0	0	0	83	3
Kerosene-Type Jet Fuel	2,867	462	234	0	871	4,434	143
Bonded Aircraft Fuel	1,085	462	114	0	522	2,183	70
Other	1,782	0	120	0	349	2,251	73
Kerosene	527	0	330	0	0	857	28
Distillate Fuel Oil	10,029	230	0	117	47	10,423	336
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	10,029	230	0	117	47	10,423	336
Residual Fuel Oil	14,964	247	298	0	3,195	18,704	603
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	14,964	247	298	0	3,195	18,704	603
Naphtha < 400 Deg. for Petro. Feed. Use	196	13	2,115	0	0	2,324	75
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	2,254	0	0	2,254	73
Special Naphthas	12	35	164	0	9	220	7
Lubricants	325	15	0	0	0	340	11
Waxes	35	15	0	1	7	58	2
Petroleum Coke	0	0	2	0	19	21	1
Asphalt and Road Oil	1,065	63	33	0	0	1,161	37
Miscellaneous Products	55	4	7	0	0	66	2
Total Imports	**86,734**	**39,736**	**103,034**	**2,003**	**11,220**	**242,728**	**7,830**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, November 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**28,792**	**30,162**	**83,051**	**2,395**	**7,693**	**152,093**	**5,070**
Natural Gas Liquids	**2,067**	**3,819**	**1,427**	**410**	**655**	**8,379**	**279**
Pentanes Plus	494	32	88	30	0	644	21
Liquefied Petroleum Gases	1,573	3,787	1,339	380	655	7,735	258
Ethane	1	47	205	0	1	254	8
Propane	874	2,267	0	188	30	3,360	112
Normal Butane	454	957	737	125	406	2,679	89
Isobutane	244	515	397	67	218	1,442	48
Other Liquids [1]	**5,012**	**20**	**9,515**	**0**	**547**	**15,094**	**503**
Unfinished Oils [1]	3,729	0	8,911	0	547	13,187	440
Naphthas and Lighter	142	0	2,420	0	547	3,109	104
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	3,208	0	2,074	0	0	5,282	176
Residuum	379	0	4,417	0	0	4,796	160
Motor Gasoline Blending Components	1,283	20	604	0	0	1,907	64
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**47,793**	**869**	**5,499**	**148**	**1,550**	**55,859**	**1,862**
Finished Motor Gasoline	13,011	176	110	36	207	13,540	451
Finished Leaded Motor Gasoline	373	0	0	1	26	400	13
Finished Unleaded Motor Gasoline	12,638	176	110	35	181	13,140	438
Finished Aviation Gasoline	0	0	0	0	6	6	(s)
Naphtha-Type Jet Fuel	0	77	0	0	3	80	3
Kerosene-Type Jet Fuel	1,722	0	265	0	296	2,283	76
Bonded Aircraft Fuel	778	0	126	0	274	1,178	39
Other	944	0	139	0	22	1,105	37
Kerosene	260	0	269	0	172	701	23
Distillate Fuel Oil	9,440	185	0	111	81	9,817	327
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	9,440	185	0	111	81	9,817	327
Residual Fuel Oil	22,125	288	453	0	677	23,543	785
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	22,125	288	453	0	677	23,543	785
Naphtha < 400 Deg. for Petro. Feed. Use	199	23	2,769	0	42	3,033	101
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,491	0	0	1,491	50
Special Naphthas	4	68	106	0	9	187	6
Lubricants	205	19	0	0	30	254	8
Waxes	25	23	2	1	10	61	2
Petroleum Coke	0	0	30	0	17	47	2
Asphalt and Road Oil	772	3	4	0	0	779	26
Miscellaneous Products	30	7	0	0	0	37	1
Total Imports	**83,663**	**34,870**	**99,493**	**2,953**	**10,445**	**231,425**	**7,714**

[1] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[2] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 14. Imports of Crude Oil and Petroleum Products by PAD District, December 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1] [2]	**38,537**	**30,685**	**84,533**	**2,138**	**6,239**	**162,132**	**5,230**
Natural Gas Liquids	**1,812**	**2,863**	**1,229**	**607**	**466**	**6,978**	**225**
Pentanes Plus	0	41	2	46	0	89	3
Liquefied Petroleum Gases	1,812	2,822	1,227	561	466	6,889	222
Ethane	130	(s)	491	0	2	623	20
Propane	896	1,639	329	316	119	3,298	106
Normal Butane	511	769	263	159	222	1,925	62
Isobutane	275	414	145	86	122	1,043	34
Other Liquids [1]	**6,089**	**0**	**3,819**	**0**	**236**	**10,144**	**327**
Unfinished Oils [1]	4,396	0	3,555	0	236	8,187	264
Naphthas and Lighter	243	0	1,217	0	0	1,460	47
Kerosene and Light Gas Oils	0	0	0	0	0	0	0
Heavy Gas Oils	4,153	0	476	0	236	4,865	157
Residuum	0	0	1,862	0	0	1,862	60
Motor Gasoline Blending Components	1,693	0	264	0	0	1,957	63
Aviation Gasoline Blending Components	0	0	0	0	0	0	0
Finished Petroleum Products	**52,317**	**1,001**	**4,860**	**136**	**1,974**	**60,287**	**1,945**
Finished Motor Gasoline	8,345	80	0	39	127	8,591	277
Finished Leaded Motor Gasoline	147	3	0	1	30	181	6
Finished Unleaded Motor Gasoline	8,198	77	0	38	97	8,410	271
Finished Aviation Gasoline	0	0	14	0	31	45	1
Naphtha-Type Jet Fuel	0	84	0	0	0	84	3
Kerosene-Type Jet Fuel	1,630	300	118	0	176	2,223	72
Bonded Aircraft Fuel	752	300	118	0	156	1,325	43
Other	878	0	0	0	20	898	29
Kerosene	289	0	608	0	0	897	29
Distillate Fuel Oil	12,293	242	0	91	55	12,681	409
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	12,293	242	0	91	55	12,681	409
Residual Fuel Oil	28,543	160	101	5	1,425	30,234	975
Bonded Ships Bunkers	0	0	0	0	0	0	0
Other	28,543	160	101	5	1,425	30,234	975
Naphtha < 400 Deg. for Petro. Feed. Use	239	14	2,480	0	109	2,842	92
Other Oils > 400 Deg. for Petro. Feed. Use	0	0	1,481	0	0	1,481	48
Special Naphthas	24	84	46	0	7	161	5
Lubricants	303	15	0	0	7	325	10
Waxes	30	18	2	1	9	60	2
Petroleum Coke	0	0	0	0	28	28	1
Asphalt and Road Oil	565	0	10	0	0	575	19
Miscellaneous Products	56	4	0	0	0	60	2
Total Imports	**98,755**	**34,549**	**94,441**	**2,881**	**8,915**	**239,541**	**7,727**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,990	744	363	0	0	0	0	1,237	2,236	0	2,742	7,322	10,312	333
Iraq	3,839	0	0	0	0	0	0	0	0	0	0	0	3,839	124
Kuwait	5,966	0	1,526	0	0	0	0	0	0	0	0	1,526	7,492	242
Neutral Zone[4]	1,396	0	0	0	0	0	0	0	0	0	0	0	1,396	45
Saudi Arabia	22,733	0	2,012	0	440	110	0	1,012	0	0	0	3,574	26,307	849
United Arab Emirates	1,138	0	0	0	0	592	0	147	0	0	0	739	1,877	61
Subtotal Arab OPEC	38,062	744	3,901	0	440	702	0	2,396	2,236	0	2,742	13,161	51,223	1,652
Other OPEC														
Ecuador	1,939	0	0	0	0	0	0	0	975	0	0	975	2,914	94
Gabon	1,109	0	0	0	0	0	0	0	0	0	0	0	1,109	36
Indonesia	4,257	0	771	0	0	0	0	0	536	0	0	1,307	5,564	179
Iran	[5] 25	0	0	0	0	0	0	0	0	0	0	0	[5] 25	[5] (s)
Nigeria	12,316	0	0	0	0	0	0	0	261	0	0	261	12,577	406
Venezuela	11,532	714	1,481	159	301	826	0	2,732	5,543	0	444	12,199	23,731	766
Subtotal Other OPEC	31,178	714	2,252	159	301	826	0	2,732	7,315	0	444	14,742	45,920	1,481
Other														
Angola	5,969	0	0	0	0	0	0	0	354	0	0	354	6,323	204
Argentina	0	0	0	0	223	0	0	0	82	47	0	352	352	11
Australia	3,456	0	0	0	0	0	0	0	0	0	0	0	3,456	111
Bahama Islands	0	0	0	0	0	0	0	5	1,577	0	0	1,582	1,582	51
Belgium	0	0	903	0	485	0	0	0	345	0	2	1,735	1,735	56
Brazil	0	166	15	0	1,889	0	0	634	606	0	46	3,356	3,356	108
Cameroon	2,278	0	0	0	0	0	0	0	366	0	0	366	2,644	85
Canada	19,617	5,036	158	0	1,283	354	47	2,014	874	130	203	10,098	29,715	959
China, People's Republic of	3,222	0	0	0	0	0	0	0	0	0	16	16	3,238	104
China, Taiwan	0	5	0	0	0	0	0	0	0	0	9	14	14	(s)
Colombia	4,255	0	0	0	0	0	0	0	966	0	0	966	5,221	168
Congo	0	0	0	0	0	0	0	0	150	0	0	150	150	5
Egypt	774	0	0	0	0	0	0	0	0	0	0	0	774	25
France	0	0	0	0	471	0	0	0	49	0	30	550	550	18
Germany, FD (W)	0	(s)	0	0	310	0	0	0	0	0	2	312	312	10
Greece	0	0	0	0	0	0	0	134	0	0	0	134	134	4
India	0	0	256	0	0	0	0	0	0	0	255	511	511	16
Italy	278	1	1,047	0	1,531	0	0	265	324	0	0	3,168	3,446	111
Japan	0	6	0	0	0	0	0	0	0	36	48	90	90	3
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Malaysia	831	0	0	0	0	0	0	0	126	0	0	126	957	31
Mexico	22,600	338	0	0	0	419	0	376	1,082	0	219	2,435	25,035	808
Netherlands Antilles	0	0	0	0	230	0	0	0	1,019	0	0	1,249	1,249	40
Netherlands	0	0	0	0	1,082	0	38	1,333	487	8	30	2,978	2,978	96
Norway	1,154	0	0	0	0	0	0	0	61	0	52	113	1,267	41
Oman	0	0	171	0	0	0	0	0	0	0	0	171	171	6
Peru	0	0	0	0	0	0	0	0	1,073	0	0	1,073	1,073	35
Puerto Rico	0	0	338	0	0	0	0	0	0	0	559	897	897	29
Romania	0	0	0	540	0	0	0	218	0	0	0	758	758	24
Singapore	0	0	0	0	0	0	0	0	764	0	10	774	774	25

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
South Africa	0	0	0	0	0	0	0	210	0	0	7	217	217	7
Spain	0	0	208	0	507	0	0	0	0	0	154	869	869	28
Sweden	0	0	0	0	0	0	0	0	0	0	35	35	35	1
Trinidad and Tobago	2,334	0	0	0	138	23	115	0	410	0	0	686	3,020	97
Turkey	0	0	38	0	0	0	0	0	0	0	0	38	38	1
United Kingdom	7,195	0	496	0	1,389	0	0	185	372	0	67	2,509	9,704	313
U.S.S.R.	0	0	456	0	0	0	0	487	0	0	0	943	943	30
Virgin Islands	0	0	1,806	345	800	304	827	2,165	4,321	0	0	10,568	10,568	341
Zaire	1,312	0	0	0	0	0	0	0	0	0	0	0	1,312	42
Subtotal Other	75,275	5,552	5,892	885	10,338	1,100	1,027	8,026	15,408	221	1,744	50,193	125,468	4,047
Total Imports	**144,515**	**7,010**	**12,045**	**1,044**	**11,079**	**2,628**	**1,027**	**13,154**	**24,959**	**221**	**4,930**	**78,096**	**222,611**	**7,181**
							PAD District I							
Arab OPEC														
Algeria	0	712	361	0	0	0	0	1,237	2,236	0	0	4,546	4,546	147
Neutral Zone[4]	650	0	0	0	0	0	0	0	0	0	0	0	650	21
Saudi Arabia	3,392	0	0	0	440	98	0	1,012	0	0	0	1,550	4,942	159
United Arab Emirates	509	0	0	0	0	0	0	147	0	0	0	147	656	21
Subtotal Arab OPEC	4,551	712	361	0	440	98	0	2,396	2,236	0	0	6,243	10,794	348
Other OPEC														
Ecuador	1,939	0	0	0	0	0	0	0	975	0	0	975	2,914	94
Gabon	746	0	0	0	0	0	0	0	0	0	0	0	746	24
Indonesia	0	0	0	0	0	0	0	0	536	0	0	536	536	17
Nigeria	5,575	0	0	0	0	0	0	0	261	0	0	261	5,836	188
Venezuela	1,551	544	299	159	301	404	0	2,730	5,543	0	420	10,400	11,951	386
Subtotal Other OPEC	9,811	544	299	159	301	404	0	2,730	7,315	0	420	12,172	21,983	709
Other														
Angola	3,830	0	0	0	0	0	0	0	354	0	0	354	4,184	135
Argentina	0	0	0	0	223	0	0	0	82	11	0	316	316	10
Bahama Islands	0	0	0	0	0	0	0	5	1,577	0	0	1,582	1,582	51
Belgium	0	0	329	0	485	0	0	0	345	0	0	1,159	1,159	37
Brazil	0	0	15	0	1,889	0	0	634	606	0	46	3,190	3,190	103
Cameroon	1,560	0	0	0	0	0	0	0	366	0	0	366	1,926	62
Canada	1,706	535	5	0	1,038	161	47	1,697	744	8	46	4,281	5,987	193
China, People's Republic of	1,446	0	0	0	0	0	0	0	0	0	16	16	1,462	47
Colombia	2,396	0	0	0	0	0	0	0	966	0	0	966	3,362	108
Congo	0	0	0	0	0	0	0	0	150	0	0	150	150	5
Egypt	774	0	0	0	0	0	0	0	0	0	0	0	774	25
France	0	0	0	0	471	0	0	0	49	0	0	520	520	17
Germany, FD (W)	0	(s)	0	0	310	0	0	0	0	0	2	312	312	10
Greece	0	0	0	0	0	0	0	134	0	0	0	134	134	4
Italy	278	1	450	0	1,531	0	0	265	324	0	0	2,571	2,849	92
Japan	0	0	0	0	0	0	0	0	0	0	22	22	22	1

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	544	0	0	0	0	80	0	376	541	0	200	1,197	1,741	56
Netherlands Antilles	0	0	0	0	230	0	0	0	1,019	0	0	1,249	1,249	40
Netherlands	0	0	0	0	1,082	0	38	1,333	487	0	0	2,940	2,940	95
Norway	1,154	0	0	0	0	0	0	0	61	0	52	113	1,267	41
Peru	0	0	0	0	0	0	0	0	1,073	0	0	1,073	1,073	35
Puerto Rico	0	0	338	0	0	0	0	0	0	0	559	897	897	29
Romania	0	0	0	520	0	0	0	218	0	0	0	738	738	24
South Africa	0	0	0	0	0	0	0	210	0	0	2	212	212	7
Spain	0	0	208	0	507	0	0	0	0	0	154	869	869	28
Trinidad and Tobago	444	0	0	0	138	23	115	0	410	0	0	686	1,130	36
United Kingdom	5,112	0	4	0	1,389	0	0	185	0	0	18	1,596	6,708	216
U.S.S.R.	0	0	0	0	0	0	0	487	0	0	0	487	487	16
Virgin Islands	0	0	1,806	345	800	304	339	2,165	4,321	0	0	10,080	10,080	325
Zaire	709	0	0	0	0	0	0	0	0	0	0	0	709	23
Subtotal Other	19,953	537	3,155	865	10,093	568	539	7,709	13,475	19	1,117	38,077	58,030	1,872
Total Imports	**34,315**	**1,793**	**3,815**	**1,024**	**10,834**	**1,070**	**539**	**12,835**	**23,026**	**19**	**1,537**	**56,492**	**90,807**	**2,929**
PAD District II														
Arab OPEC														
Algeria	852	0	0	0	0	0	0	0	0	0	0	0	852	27
Iraq	411	0	0	0	0	0	0	0	0	0	0	0	411	13
Saudi Arabia	3,329	0	0	0	0	0	0	0	0	0	0	0	3,329	107
United Arab Emirates	177	0	0	0	0	592	0	0	0	0	0	592	769	25
Subtotal Arab OPEC	4,769	0	0	0	0	592	0	0	0	0	0	592	5,361	173
Other OPEC														
Nigeria	5,364	0	0	0	0	0	0	0	0	0	0	0	5,364	173
Venezuela	0	0	0	0	0	422	0	0	0	0	0	422	422	14
Subtotal Other OPEC	5,364	0	0	0	0	422	0	0	0	0	0	422	5,786	187
Other														
Canada	15,476	3,535	0	0	69	79	0	153	130	31	79	4,076	19,552	631
Mexico	1,453	0	0	0	0	235	0	0	0	0	0	235	1,688	54
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Trinidad and Tobago	176	0	0	0	0	0	0	0	0	0	0	0	176	6
Subtotal Other	17,105	3,535	0	0	69	314	0	153	130	31	84	4,316	21,421	691
Total Imports	**27,238**	**3,535**	**0**	**0**	**69**	**1,329**	**0**	**153**	**130**	**31**	**84**	**5,330**	**32,568**	**1,051**
PAD District III														
Arab OPEC														
Algeria	2,138	31	2	0	0	0	0	0	0	0	2,742	2,775	4,913	158
Iraq	3,428	0	0	0	0	0	0	0	0	0	0	0	3,428	111
Kuwait	5,966	0	1,526	0	0	0	0	0	0	0	0	1,526	7,492	242

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III (continued)													
Arab OPEC (continued)														
Neutral Zone[4]	746	0	0	0	0	0	0	0	0	0	0	0	746	24
Saudi Arabia	16,012	0	2,012	0	0	0	0	0	0	0	0	2,012	18,024	581
United Arab Emirates	452	0	0	0	0	0	0	0	0	0	0	0	452	15
Subtotal Arab OPEC	28,742	31	3,540	0	0	0	0	0	0	0	2,742	6,313	35,055	1,131
Other OPEC														
Gabon	363	0	0	0	0	0	0	0	0	0	0	0	363	12
Indonesia	1,859	0	517	0	0	0	0	0	0	0	0	517	2,376	77
Iran	[5] 25	0	0	0	0	0	0	0	0	0	0	0	[5] 25	[5] (s)
Nigeria	1,377	0	0	0	0	0	0	0	0	0	0	0	1,377	44
Venezuela	9,981	170	1,182	0	0	0	0	2	0	0	24	1,378	11,359	366
Subtotal Other OPEC	13,605	170	1,699	0	0	0	0	2	0	0	24	1,895	15,500	500
Other														
Angola	2,139	0	0	0	0	0	0	0	0	0	0	0	2,139	69
Argentina	0	0	0	0	0	0	0	0	0	36	0	36	36	1
Australia	1,552	0	0	0	0	0	0	0	0	0	0	0	1,552	50
Belgium	0	0	574	0	0	0	0	0	0	0	2	576	576	19
Brazil	0	166	0	0	0	0	0	0	0	0	0	166	166	5
Cameroon	718	0	0	0	0	0	0	0	0	0	0	0	718	23
Canada	675	0	114	0	0	0	0	0	0	80	4	198	873	28
China, People's Republic of	1,776	0	0	0	0	0	0	0	0	0	0	0	1,776	57
Colombia	1,859	0	0	0	0	0	0	0	0	0	0	0	1,859	60
France	0	0	0	0	0	0	0	0	0	0	30	30	30	1
India	0	0	256	0	0	0	0	0	0	0	255	511	511	16
Italy	0	0	345	0	0	0	0	0	0	0	0	345	345	11
Japan	0	0	0	0	0	0	0	0	0	36	26	62	62	2
Malaysia	831	0	0	0	0	0	0	0	0	0	0	0	831	27
Mexico	20,603	338	0	0	0	104	0	0	30	0	10	482	21,085	680
Netherlands	0	0	0	0	0	0	0	0	0	8	30	38	38	1
Oman	0	0	171	0	0	0	0	0	0	0	0	171	171	6
Romania	0	0	0	20	0	0	0	0	0	0	0	20	20	1
Sweden	0	0	0	0	0	0	0	0	0	0	35	35	35	1
Trinidad and Tobago	1,714	0	0	0	0	0	0	0	0	0	0	0	1,714	55
Turkey	0	0	38	0	0	0	0	0	0	0	0	38	38	1
United Kingdom	2,083	0	492	0	0	0	0	0	372	0	49	913	2,996	97
U.S.S.R.	0	0	456	0	0	0	0	0	0	0	0	456	456	15
Virgin Islands	0	0	0	0	0	0	488	0	0	0	0	488	488	16
Zaire	603	0	0	0	0	0	0	0	0	0	0	0	603	19
Subtotal Other	34,553	504	2,446	20	0	104	488	0	402	160	441	4,565	39,118	1,262
Total Imports	**76,900**	**705**	**7,685**	**20**	**0**	**104**	**488**	**2**	**402**	**160**	**3,207**	**12,773**	**89,673**	**2,893**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] January 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District IV													
Other														
Canada	1,597	675	0	0	40	0	0	101	0	0	47	863	2,460	79
Subtotal Other	1,597	675	0	0	40	0	0	101	0	0	47	863	2,460	79
Total Imports	**1,597**	**675**	**0**	**0**	**40**	**0**	**0**	**101**	**0**	**0**	**47**	**863**	**2,460**	**79**
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	0	12	0	0	0	0	0	12	12	(s)
Subtotal Arab OPEC	0	0	0	0	0	12	0	0	0	0	0	12	12	(s)
Other OPEC														
Indonesia	2,398	0	254	0	0	0	0	0	0	0	0	254	2,652	86
Subtotal Other OPEC	2,398	0	254	0	0	0	0	0	0	0	0	254	2,652	86
Other														
Australia	1,904	0	0	0	0	0	0	0	0	0	0	0	1,904	61
Canada	163	291	39	0	136	114	0	63	0	11	27	681	844	27
China, Taiwan	0	5	0	0	0	0	0	0	0	0	9	14	14	(s)
Italy	0	0	252	0	0	0	0	0	0	0	0	252	252	8
Japan	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Malaysia	0	0	0	0	0	0	0	0	126	0	0	126	126	4
Mexico	0	0	0	0	0	0	0	0	511	0	9	520	520	17
Singapore	0	0	0	0	0	0	0	0	764	0	10	774	774	25
Subtotal Other	2,067	301	291	0	136	114	0	63	1,401	11	55	2,372	4,439	143
Total Imports	**4,465**	**301**	**545**	**0**	**136**	**126**	**0**	**63**	**1,401**	**11**	**55**	**2,638**	**7,103**	**229**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,624	1,054	314	0	0	144	0	390	2,346	0	4,517	8,765	10,389	358
Iraq	1,465	0	0	0	0	0	0	0	0	0	0	0	1,465	51
Kuwait	2,572	0	0	0	0	0	0	0	0	0	0	0	2,572	89
Neutral Zone[4]	1,227	0	0	0	0	0	0	0	0	0	0	0	1,227	42
Saudi Arabia	32,911	297	1,775	0	820	102	0	661	0	0	115	3,770	36,681	1,265
United Arab Emirates	2,071	0	0	0	0	0	0	0	0	0	213	213	2,284	79
Subtotal Arab OPEC	41,870	1,351	2,089	0	820	246	0	1,051	2,346	0	4,845	12,748	54,618	1,883
Other OPEC														
Ecuador	407	0	0	0	0	0	0	0	190	0	0	190	597	21
Gabon	337	0	0	0	0	0	0	0	0	0	0	0	337	12
Indonesia	4,467	0	405	0	0	0	0	0	708	0	36	1,149	5,616	194
Nigeria	13,719	0	318	0	0	0	0	0	641	0	0	959	14,678	506
Venezuela	11,909	437	1,979	0	414	640	0	2,861	6,050	1	245	12,627	24,536	846
Subtotal Other OPEC	30,839	437	2,702	0	414	640	0	2,861	7,589	1	281	14,925	45,764	1,578
Other														
Albania	0	0	0	0	120	0	0	0	0	0	0	120	120	4
Angola	4,328	0	0	0	0	0	0	0	356	0	0	356	4,684	162
Argentina	0	0	0	0	0	0	0	0	698	6	74	778	778	27
Australia	2,161	0	0	0	0	0	0	0	0	0	80	80	2,241	77
Bahama Islands	0	0	100	0	0	0	0	5	2,198	0	0	2,303	2,303	79
Bahrain	0	0	275	0	0	0	0	0	0	0	0	275	275	9
Belgium	0	0	0	0	389	0	0	0	275	0	0	664	664	23
Benin	337	0	0	0	0	0	0	0	0	0	0	0	337	12
Brazil	0	0	0	0	1,634	0	0	645	771	0	14	3,064	3,064	106
Brunei	150	0	0	0	0	0	0	0	0	0	0	0	150	5
Cameroon	876	0	0	0	0	0	0	0	153	0	0	153	1,029	35
Canada	19,689	4,679	247	0	1,420	309	46	2,134	1,057	40	346	10,278	29,967	1,033
China, People's Republic of	3,216	0	0	307	0	0	0	0	0	0	0	307	3,523	121
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Colombia	0	0	0	0	0	0	0	0	1,949	0	0	1,949	1,949	67
Congo	0	0	0	0	0	0	0	0	121	0	0	121	121	4
Egypt	702	0	0	0	0	0	0	0	0	0	4	4	706	24
Finland	0	0	0	0	292	0	0	0	0	0	0	292	292	10
France	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Germany, DR (E)	0	0	0	0	0	0	0	214	0	0	0	214	214	7
Germany, FD (W)	0	4	0	0	0	0	0	0	0	6	3	13	13	(s)
Greece	0	0	0	0	508	0	0	216	0	0	0	724	724	25
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	568	0	0	0	0	0	0	0	0	568	568	20
Italy	0	0	296	0	970	0	0	179	316	4	10	1,775	1,775	61
Japan	0	7	0	0	0	0	0	0	0	0	41	48	48	2
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	37	38	38	1
Liberia	0	0	0	0	0	0	0	210	0	0	0	210	210	7
Malaysia	288	0	0	0	0	0	0	0	0	0	0	0	288	10
Mexico	17,973	611	0	0	0	501	0	424	642	0	439	2,616	20,589	710
Netherlands Antilles	0	0	0	0	0	0	0	0	596	0	0	596	596	21

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Netherlands	0	1	0	0	1,935	0	0	247	129	0	80	2,392	2,392	82
Norway	1,563	0	259	0	0	0	0	0	0	0	0	259	1,822	63
Peru	0	0	0	0	0	0	0	0	1,392	0	0	1,392	1,392	48
Puerto Rico	0	0	62	0	0	0	0	0	0	0	393	455	455	16
Romania	0	0	0	1,179	369	0	0	226	0	3	0	1,777	1,777	61
Singapore	0	0	0	0	146	0	0	0	1,169	0	0	1,315	1,315	45
South Africa	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Spain	0	0	441	0	580	0	0	0	184	0	152	1,357	1,357	47
Sweden	0	1	0	0	204	0	0	372	330	0	75	982	982	34
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	318	0	0	0	0	0	0	0	0	0	0	0	318	11
Togo	0	0	0	0	0	0	0	0	87	0	0	87	87	3
Trinidad and Tobago	1,836	0	0	0	0	207	0	0	668	0	0	875	2,711	93
United Kingdom	7,576	1	0	0	1,122	0	0	210	770	0	19	2,122	9,698	334
U.S.S.R.	0	0	0	0	0	0	0	1,282	27	0	0	1,309	1,309	45
Virgin Islands	0	0	1,469	100	585	138	522	831	2,149	0	0	5,794	5,794	200
Zaire	1,141	0	0	0	0	0	0	0	144	0	0	144	1,285	44
Subtotal Other	62,154	5,305	3,717	1,586	10,274	1,155	568	7,195	16,181	59	1,844	47,883	110,037	3,794
Total Imports	**134,863**	**7,093**	**8,508**	**1,586**	**11,508**	**2,040**	**568**	**11,107**	**26,116**	**60**	**6,970**	**75,556**	**210,419**	**7,256**
	PAD District I													
Arab OPEC														
Algeria	0	1,054	314	0	0	144	0	390	2,346	0	0	4,248	4,248	146
Saudi Arabia	4,228	297	0	0	564	101	0	661	0	0	0	1,623	5,851	202
United Arab Emirates	260	0	0	0	0	0	0	0	0	0	0	0	260	9
Subtotal Arab OPEC	4,488	1,351	314	0	564	245	0	1,051	2,346	0	0	5,871	10,359	357
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	190	0	0	190	190	7
Gabon	337	0	0	0	0	0	0	0	0	0	0	0	337	12
Indonesia	0	0	0	0	0	0	0	0	188	0	0	188	188	6
Nigeria	9,459	0	0	0	0	0	0	0	641	0	0	641	10,100	348
Venezuela	2,915	86	596	0	375	440	0	2,861	6,050	1	245	10,654	13,569	468
Subtotal Other OPEC	12,711	86	596	0	375	440	0	2,861	7,069	1	245	11,673	24,384	841
Other														
Angola	3,427	0	0	0	0	0	0	0	356	0	0	356	3,783	130
Argentina	0	0	0	0	0	0	0	0	698	6	0	704	704	24
Australia	551	0	0	0	0	0	0	0	0	0	80	80	631	22
Bahama Islands	0	0	0	0	0	0	0	5	1,971	0	0	1,976	1,976	68
Belgium	0	0	0	0	389	0	0	0	275	0	0	664	664	23
Benin	337	0	0	0	0	0	0	0	0	0	0	0	337	12
Brazil	0	0	0	0	1,634	0	0	645	771	0	14	3,064	3,064	106
Cameroon	876	0	0	0	0	0	0	0	153	0	0	153	1,029	35
Canada	1,587	421	4	0	1,024	139	46	1,821	928	5	81	4,469	6,056	209

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
China, People's Republic of	1,330	0	0	0	0	0	0	0	0	0	0	0	1,330	46
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Colombia	0	0	0	0	0	0	0	0	1,949	0	0	1,949	1,949	67
Congo	0	0	0	0	0	0	0	0	121	0	0	121	121	4
Egypt	702	0	0	0	0	0	0	0	0	0	2	2	704	24
Finland	0	0	0	0	292	0	0	0	0	0	0	292	292	10
France	0	(s)	0	0	0	0	0	0	0	0	15	15	15	1
Germany, DR (E)	0	0	0	0	0	0	0	214	0	0	0	214	214	7
Germany, FD (W)	0	4	0	0	0	0	0	0	0	6	3	13	13	(s)
Greece	0	0	0	0	508	0	0	216	0	0	0	724	724	25
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Italy	0	0	296	0	970	0	0	179	316	4	10	1,775	1,775	61
Japan	0	(s)	0	0	0	0	0	0	0	0	13	13	13	(s)
Liberia	0	0	0	0	0	0	0	210	0	0	0	210	210	7
Mexico	1,433	0	0	0	0	121	0	424	642	0	418	1,605	3,038	105
Netherlands Antilles	0	0	0	0	0	0	0	0	596	0	0	596	596	21
Netherlands	0	1	0	0	1,935	0	0	247	129	0	0	2,312	2,312	80
Norway	1,062	0	0	0	0	0	0	0	0	0	0	0	1,062	37
Peru	0	0	0	0	0	0	0	0	1,392	0	0	1,392	1,392	48
Puerto Rico	0	0	62	0	0	0	0	0	0	0	181	243	243	8
Romania	0	0	0	1,161	369	0	0	226	0	3	0	1,759	1,759	61
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Spain	0	0	221	0	580	0	0	0	184	0	152	1,137	1,137	39
Sweden	0	1	0	0	204	0	0	372	330	0	0	907	907	31
Switzerland	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Togo	0	0	0	0	0	0	0	0	87	0	0	87	87	3
Trinidad and Tobago	458	0	0	0	0	207	0	0	668	0	0	875	1,333	46
United Kingdom	5,789	0	0	0	1,122	0	0	210	770	0	0	2,102	7,891	272
U.S.S.R.	0	0	0	0	0	0	0	1,282	27	0	0	1,309	1,309	45
Virgin Islands	0	0	1,469	100	585	138	294	831	2,149	0	0	5,566	5,566	192
Zaire	724	0	0	0	0	0	0	0	144	0	0	144	868	30
Subtotal Other	18,276	427	2,052	1,261	9,612	605	340	6,882	14,656	24	972	36,831	55,107	1,900
Total Imports	**35,475**	**1,865**	**2,962**	**1,261**	**10,551**	**1,290**	**340**	**10,794**	**24,071**	**25**	**1,217**	**54,375**	**89,850**	**3,098**
							PAD District II							
Arab OPEC														
Algeria	380	0	0	0	0	0	0	0	0	0	0	0	380	13
Saudi Arabia	3,248	0	0	0	0	0	0	0	0	0	0	0	3,248	112
Subtotal Arab OPEC	3,628	0	0	0	0	0	0	0	0	0	0	0	3,628	125
Other OPEC														
Ecuador	407	0	0	0	0	0	0	0	0	0	0	0	407	14
Nigeria	2,443	0	0	0	0	0	0	0	0	0	0	0	2,443	84
Venezuela	209	0	0	0	0	0	0	0	0	0	0	0	209	7
Subtotal Other OPEC	3,059	0	0	0	0	0	0	0	0	0	0	0	3,059	105

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District II (continued)							
Other														
Canada	15,133	3,422	0	0	77	77	0	150	129	28	84	3,967	19,100	659
Mexico	1,250	0	0	0	0	269	0	0	0	0	0	269	1,519	52
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
United Kingdom	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Subtotal Other	16,383	3,423	0	0	77	346	0	150	129	28	86	4,239	20,622	711
Total Imports	**23,070**	**3,423**	**0**	**0**	**77**	**346**	**0**	**150**	**129**	**28**	**86**	**4,239**	**27,309**	**942**
							PAD District III							
Arab OPEC														
Algeria	1,244	0	0	0	0	0	0	0	0	0	4,517	4,517	5,761	199
Iraq	1,465	0	0	0	0	0	0	0	0	0	0	0	1,465	51
Kuwait	2,572	0	0	0	0	0	0	0	0	0	0	0	2,572	89
Neutral Zone[4]	1,227	0	0	0	0	0	0	0	0	0	0	0	1,227	42
Saudi Arabia	25,435	0	1,775	0	0	0	0	0	0	0	115	1,890	27,325	942
United Arab Emirates	1,811	0	0	0	0	0	0	0	0	0	213	213	2,024	70
Subtotal Arab OPEC	33,754	0	1,775	0	0	0	0	0	0	0	4,845	6,620	40,374	1,392
Other OPEC														
Indonesia	1,225	0	405	0	0	0	0	0	0	0	36	441	1,666	57
Nigeria	1,817	0	318	0	0	0	0	0	0	0	0	318	2,135	74
Venezuela	8,785	351	1,383	0	39	0	0	0	0	0	0	1,773	10,558	364
Subtotal Other OPEC	11,827	351	2,106	0	39	0	0	0	0	0	36	2,532	14,359	495
Other														
Angola	901	0	0	0	0	0	0	0	0	0	0	0	901	31
Argentina	0	0	0	0	0	0	0	0	0	0	74	74	74	3
Australia	1,610	0	0	0	0	0	0	0	0	0	0	0	1,610	56
Bahama Islands	0	0	100	0	0	0	0	0	227	0	0	327	327	11
Bahrain	0	0	275	0	0	0	0	0	0	0	0	275	275	9
Canada	523	0	243	0	0	0	0	0	0	0	73	316	839	29
China, People's Republic of	1,886	0	0	0	0	0	0	0	0	0	0	0	1,886	65
Egypt	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
France	0	0	0	0	0	0	0	0	0	0	21	21	21	1
India	0	0	568	0	0	0	0	0	0	0	0	568	568	20
Mexico	15,290	611	0	0	0	111	0	0	0	0	7	729	16,019	552
Netherlands	0	0	0	0	0	0	0	0	0	0	80	80	80	3
Norway	501	0	259	0	0	0	0	0	0	0	0	259	760	26
Puerto Rico	0	0	0	0	0	0	0	0	0	0	212	212	212	7
Romania	0	0	0	18	0	0	0	0	0	0	0	18	18	1
Spain	0	0	220	0	0	0	0	0	0	0	0	220	220	8
Sweden	0	0	0	0	0	0	0	0	0	0	75	75	75	3
Trinidad and Tobago	1,378	0	0	0	0	0	0	0	0	0	0	0	1,378	48
United Kingdom	1,787	0	0	0	0	0	0	0	0	0	19	19	1,806	62
Virgin Islands	0	0	0	0	0	0	228	0	0	0	0	228	228	8
Zaire	417	0	0	0	0	0	0	0	0	0	0	0	417	14

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] February 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
						PAD District III (continued)								
Other (continued)														
Subtotal Other	24,293	611	1,665	18	0	111	228	0	227	0	563	3,423	27,716	956
Total Imports	**69,874**	**961**	**5,546**	**18**	**39**	**111**	**228**	**0**	**227**	**0**	**5,444**	**12,574**	**82,448**	**2,843**
						PAD District IV								
Other														
Canada	1,687	504	0	0	39	0	0	103	0	0	77	723	2,410	83
Subtotal Other	1,687	504	0	0	39	0	0	103	0	0	77	723	2,410	83
Total Imports	**1,687**	**504**	**0**	**0**	**39**	**0**	**0**	**103**	**0**	**0**	**77**	**723**	**2,410**	**83**
						PAD District V								
Arab OPEC														
Saudi Arabia	0	0	0	0	256	1	0	0	0	0	0	257	257	9
Subtotal Arab OPEC	0	0	0	0	256	1	0	0	0	0	0	257	257	9
Other OPEC														
Indonesia	3,242	0	0	0	0	0	0	0	520	0	0	520	3,762	130
Venezuela	0	0	0	0	0	200	0	0	0	0	0	200	200	7
Subtotal Other OPEC	3,242	0	0	0	0	200	0	0	520	0	0	720	3,962	137
Other														
Albania	0	0	0	0	120	0	0	0	0	0	0	120	120	4
Brunei	150	0	0	0	0	0	0	0	0	0	0	0	150	5
Canada	759	332	0	0	280	93	0	60	0	7	31	802	1,561	54
China, People's Republic of	0	0	0	307	0	0	0	0	0	0	0	307	307	11
China, Taiwan	0	0	0	0	0	0	0	0	0	0	36	36	36	1
Japan	0	6	0	0	0	0	0	0	0	0	28	34	34	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	37	38	38	1
Malaysia	288	0	0	0	0	0	0	0	0	0	0	0	288	10
Mexico	0	0	0	0	0	0	0	0	0	0	14	14	14	(s)
Singapore	0	0	0	0	146	0	0	0	1,169	0	0	1,315	1,315	45
Thailand	318	0	0	0	0	0	0	0	0	0	0	0	318	11
Subtotal Other	1,515	339	0	307	546	93	0	60	1,169	7	146	2,667	4,182	144
Total Imports	**4,757**	**339**	**0**	**307**	**802**	**294**	**0**	**60**	**1,689**	**7**	**146**	**3,644**	**8,401**	**290**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] March 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,843	432	479	0	0	0	0	235	2,217	0	2,829	6,192	8,035	259
Iraq	7,688	0	0	0	0	0	0	0	0	0	0	0	7,688	248
Kuwait	1,405	0	0	0	0	0	0	0	0	0	0	0	1,405	45
Neutral Zone[4]	416	0	0	0	0	0	0	0	0	0	0	0	416	13
Saudi Arabia	24,681	0	2,747	0	518	244	0	310	0	0	545	4,364	29,045	937
United Arab Emirates	0	0	0	0	0	0	0	195	0	0	0	195	195	6
Subtotal Arab OPEC	36,033	432	3,226	0	518	244	0	740	2,217	0	3,374	10,752	46,785	1,509
Other OPEC														
Ecuador	381	0	0	0	0	0	0	0	685	0	0	685	1,066	34
Gabon	335	0	0	0	0	0	0	0	0	0	0	0	335	11
Indonesia	3,474	0	0	0	0	0	0	0	234	0	214	448	3,922	127
Nigeria	17,641	0	0	0	0	0	0	256	373	0	0	629	18,270	589
Venezuela	15,947	186	2,271	0	705	1,058	0	1,401	2,426	0	891	8,938	24,885	803
Subtotal Other OPEC	37,778	186	2,271	0	705	1,058	0	1,657	3,718	0	1,105	10,700	48,478	1,564
Other														
Angola	5,806	0	0	0	0	0	0	0	676	0	0	676	6,482	209
Argentina	0	0	0	0	170	0	0	0	226	107	2	505	505	16
Australia	2,203	0	0	0	0	0	0	0	182	0	0	182	2,385	77
Bahama Islands	0	0	0	0	0	0	0	3	1,444	0	0	1,447	1,447	47
Belgium	0	0	0	0	251	0	0	0	272	0	3	526	526	17
Brazil	0	47	0	0	1,234	0	219	0	892	1	1	2,394	2,394	77
Cameroon	570	0	0	0	0	0	0	0	89	0	0	89	659	21
Canada	20,656	3,809	385	21	1,699	668	34	2,411	991	166	219	10,403	31,059	1,002
China, People's Republic of	1,516	0	0	0	0	0	0	0	0	0	44	44	1,560	50
China, Taiwan	0	9	0	0	0	0	0	0	0	0	0	9	9	(s)
Colombia	4,968	0	0	0	0	0	0	0	1,323	0	0	1,323	6,291	203
Congo	1,539	0	0	0	0	0	0	0	0	0	0	0	1,539	50
Egypt	673	0	0	0	0	0	0	0	0	0	1	1	674	22
France	0	34	0	0	784	0	0	0	171	0	0	989	989	32
Germany, DR (E)	0	0	0	0	0	0	0	212	0	0	0	212	212	7
Germany, FD (W)	0	4	0	0	0	0	0	0	0	0	2	6	6	(s)
Ghana	0	0	0	0	0	0	0	0	146	0	0	146	146	5
Greece	0	0	0	0	321	0	0	0	870	0	0	1,191	1,191	38
Guatemala	200	0	0	0	0	0	0	0	0	0	0	0	200	6
Hungary	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
India	0	0	299	0	0	0	0	0	0	0	166	465	465	15
Israel	0	0	0	0	0	0	0	0	0	15	0	15	15	(s)
Italy	614	0	1,032	0	1,587	0	0	0	210	0	0	2,829	3,443	111
Japan	0	4	0	0	0	0	0	21	0	4	73	102	102	3
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	21,969	574	0	0	0	293	0	0	0	0	268	1,135	23,104	745
Netherlands Antilles	0	0	177	0	0	0	0	0	1,250	0	0	1,427	1,427	46
Netherlands	0	1	58	0	763	0	0	643	545	0	24	2,034	2,034	66
Norway	0	0	0	0	0	0	0	0	0	0	56	56	56	2
Peru	0	0	0	0	0	0	0	0	1,050	0	0	1,050	1,050	34
Puerto Rico	0	0	120	0	0	0	0	0	0	0	549	669	669	22

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] March 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Romania	0	0	0	1,078	1,160	0	0	0	0	0	0	2,238	2,238	72
Singapore	0	0	0	0	0	25	0	0	310	0	0	335	335	11
South Africa	0	0	0	0	0	0	0	0	0	0	17	17	17	1
Spain	0	0	190	0	513	394	0	0	215	0	71	1,383	1,383	45
Switzerland	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	257	0	0	0	0	0	0	0	0	0	0	0	257	8
Trinidad and Tobago	2,352	0	0	0	0	0	0	0	407	0	0	407	2,759	89
Turkey	0	0	358	0	0	0	0	0	0	0	0	358	358	12
United Kingdom	12,871	1	305	0	238	0	0	413	429	0	35	1,421	14,292	461
U.S.S.R.	0	0	0	0	0	0	0	1,242	0	0	0	1,242	1,242	40
Virgin Islands	0	0	1,125	239	871	324	190	306	2,527	0	0	5,582	5,582	180
Zaire	907	0	0	0	0	0	0	0	0	0	0	0	907	29
Subtotal Other	77,101	4,483	4,049	1,338	9,591	1,704	443	5,251	14,225	293	1,534	42,911	120,012	3,871
Total Imports	**150,912**	**5,101**	**9,546**	**1,338**	**10,814**	**3,006**	**443**	**7,648**	**20,160**	**293**	**6,013**	**64,362**	**215,274**	**6,944**
	PAD District I													
Arab OPEC														
Algeria	0	432	479	0	0	0	0	235	2,042	0	0	3,188	3,188	103
Saudi Arabia	4,085	0	0	0	518	93	0	310	0	0	0	921	5,006	161
United Arab Emirates	0	0	0	0	0	0	0	195	0	0	0	195	195	6
Subtotal Arab OPEC	4,085	432	479	0	518	93	0	740	2,042	0	0	4,304	8,389	271
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	685	0	0	685	685	22
Gabon	335	0	0	0	0	0	0	0	0	0	0	0	335	11
Indonesia	0	0	0	0	0	0	0	0	234	0	0	234	234	8
Nigeria	10,638	0	0	0	0	0	0	256	373	0	0	629	11,267	363
Venezuela	3,438	186	593	0	228	751	0	1,401	2,426	0	802	6,387	9,825	317
Subtotal Other OPEC	14,411	186	593	0	228	751	0	1,657	3,718	0	802	7,935	22,346	721
Other														
Angola	4,010	0	0	0	0	0	0	0	676	0	0	676	4,686	151
Argentina	0	0	0	0	0	0	0	0	226	0	0	226	226	7
Australia	0	0	0	0	0	0	0	0	182	0	0	182	182	6
Bahama Islands	0	0	0	0	0	0	0	3	1,444	0	0	1,447	1,447	47
Belgium	0	0	0	0	251	0	0	0	272	0	0	523	523	17
Brazil	0	0	0	0	1,234	0	219	0	892	0	1	2,346	2,346	76
Cameroon	570	0	0	0	0	0	0	0	89	0	0	89	659	21
Canada	1,683	419	338	0	1,325	489	34	1,982	422	9	81	5,099	6,782	219
China, People's Republic of	1,516	0	0	0	0	0	0	0	0	0	0	0	1,516	49
China, Taiwan	0	9	0	0	0	0	0	0	0	0	0	9	9	(s)
Colombia	1,648	0	0	0	0	0	0	0	1,323	0	0	1,323	2,971	96
Egypt	673	0	0	0	0	0	0	0	0	0	1	1	674	22
France	0	0	0	0	784	0	0	0	171	0	0	955	955	31
Germany, DR (E)	0	0	0	0	0	0	0	212	0	0	0	212	212	7

See footnotes at end of table.

Table 41. Imports of Crude Oil and Petroleum Products by Source and PAD District, March 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other (continued)														
Germany, FD (W)	0	4	0	0	0	0	0	0	0	0	2	6	6	(s)
Ghana	0	0	0	0	0	0	0	0	146	0	0	146	146	5
Greece	0	0	0	0	321	0	0	0	870	0	0	1,191	1,191	38
Hungary	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Italy	614	0	442	0	1,587	0	0	0	210	0	0	2,239	2,853	92
Japan	0	(s)	0	0	0	0	0	0	0	4	3	7	7	(s)
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	2,616	0	0	0	0	93	0	0	0	0	240	333	2,949	95
Netherlands Antilles	0	0	0	0	0	0	0	0	1,250	0	0	1,250	1,250	40
Netherlands	0	1	0	0	763	0	0	643	545	0	14	1,966	1,966	63
Norway	0	0	0	0	0	0	0	0	0	0	56	56	56	2
Peru	0	0	0	0	0	0	0	0	1,050	0	0	1,050	1,050	34
Puerto Rico	0	0	120	0	0	0	0	0	0	0	518	638	638	21
Romania	0	0	0	1,061	1,160	0	0	0	0	0	0	2,221	2,221	72
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
Spain	0	0	0	0	513	308	0	0	215	0	71	1,107	1,107	36
Switzerland	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	460	0	0	0	0	0	0	0	407	0	0	407	867	28
United Kingdom	5,026	(s)	0	0	238	0	0	413	186	0	15	852	5,878	190
U.S.S.R.	0	0	0	0	0	0	0	1,242	0	0	0	1,242	1,242	40
Virgin Islands	0	0	1,125	239	871	324	190	306	2,527	0	0	5,582	5,582	180
Zaire	286	0	0	0	0	0	0	0	0	0	0	0	286	9
Subtotal Other	19,102	434	2,025	1,300	9,047	1,213	443	4,801	13,103	13	1,013	33,393	52,495	1,693
Total Imports	**37,598**	**1,053**	**3,097**	**1,300**	**9,793**	**2,058**	**443**	**7,198**	**18,863**	**13**	**1,815**	**45,632**	**83,230**	**2,685**
	PAD District II													
Arab OPEC														
Algeria	447	0	0	0	0	0	0	0	0	0	0	0	447	14
Iraq	2,796	0	0	0	0	0	0	0	0	0	0	0	2,796	90
Kuwait	500	0	0	0	0	0	0	0	0	0	0	0	500	16
Saudi Arabia	3,869	0	0	0	0	0	0	0	0	0	0	0	3,869	125
Subtotal Arab OPEC	7,612	0	0	0	0	0	0	0	0	0	0	0	7,612	246
Other OPEC														
Nigeria	2,872	0	0	0	0	0	0	0	0	0	0	0	2,872	93
Venezuela	0	0	0	0	0	102	0	0	0	0	0	102	102	3
Subtotal Other OPEC	2,872	0	0	0	0	102	0	0	0	0	0	102	2,974	96
Other														
Canada	16,431	2,680	0	21	139	63	0	218	218	79	80	3,498	19,929	643
France	0	34	0	0	0	0	0	0	0	0	0	34	34	1
Mexico	2,393	0	0	0	0	46	0	0	0	0	0	46	2,439	79
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
United Kingdom	1,328	1	0	0	0	0	0	0	0	0	0	1	1,329	43
Subtotal Other	20,152	2,715	0	21	139	109	0	218	218	79	88	3,587	23,739	766

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] March 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District II (continued)													
Other (continued)														
Total Imports	**30,636**	**2,715**	**0**	**21**	**139**	**211**	**0**	**218**	**218**	**79**	**88**	**3,689**	**34,325**	**1,107**
	PAD District III													
Arab OPEC														
Algeria	1,396	0	0	0	0	0	0	0	175	0	2,829	3,004	4,400	142
Iraq	4,892	0	0	0	0	0	0	0	0	0	0	0	4,892	158
Kuwait	905	0	0	0	0	0	0	0	0	0	0	0	905	29
Neutral Zone[4]	416	0	0	0	0	0	0	0	0	0	0	0	416	13
Saudi Arabia	16,727	0	2,747	0	0	0	0	0	0	0	545	3,292	20,019	646
Subtotal Arab OPEC	24,336	0	2,747	0	0	0	0	0	175	0	3,374	6,296	30,632	988
Other OPEC														
Ecuador	381	0	0	0	0	0	0	0	0	0	0	0	381	12
Indonesia	1,086	0	0	0	0	0	0	0	0	0	0	0	1,086	35
Nigeria	4,131	0	0	0	0	0	0	0	0	0	0	0	4,131	133
Venezuela	12,509	0	1,678	0	477	0	0	0	0	0	89	2,244	14,753	476
Subtotal Other OPEC	18,107	0	1,678	0	477	0	0	0	0	0	89	2,244	20,351	656
Other														
Angola	1,796	0	0	0	0	0	0	0	0	0	0	0	1,796	58
Argentina	0	0	0	0	0	0	0	0	0	107	2	109	109	4
Australia	75	0	0	0	0	0	0	0	0	0	0	0	75	2
Belgium	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Brazil	0	47	0	0	0	0	0	0	0	1	0	48	48	2
Canada	523	0	14	0	0	0	0	0	351	32	0	397	920	30
China, People's Republic of	0	0	0	0	0	0	0	0	0	0	44	44	44	1
Colombia	3,320	0	0	0	0	0	0	0	0	0	0	0	3,320	107
Congo	1,539	0	0	0	0	0	0	0	0	0	0	0	1,539	50
Guatemala	200	0	0	0	0	0	0	0	0	0	0	0	200	6
India	0	0	299	0	0	0	0	0	0	0	166	465	465	15
Israel	0	0	0	0	0	0	0	0	0	15	0	15	15	(s)
Italy	0	0	590	0	0	0	0	0	0	0	0	590	590	19
Japan	0	0	0	0	0	0	0	0	0	0	34	34	34	1
Mexico	16,960	574	0	0	0	54	0	0	0	0	14	642	17,602	568
Netherlands Antilles	0	0	177	0	0	0	0	0	0	0	0	177	177	6
Netherlands	0	0	58	0	0	0	0	0	0	0	10	68	68	2
Puerto Rico	0	0	0	0	0	0	0	0	0	0	31	31	31	1
Romania	0	0	0	17	0	0	0	0	0	0	0	17	17	1
Spain	0	0	190	0	0	86	0	0	0	0	0	276	276	9
Trinidad and Tobago	1,892	0	0	0	0	0	0	0	0	0	0	0	1,892	61
Turkey	0	0	358	0	0	0	0	0	0	0	0	358	358	12
United Kingdom	6,517	0	305	0	0	0	0	0	243	0	20	568	7,085	229
Zaire	621	0	0	0	0	0	0	0	0	0	0	0	621	20
Subtotal Other	33,443	620	1,991	17	0	141	0	0	594	155	324	3,842	37,285	1,203

See footnotes at end of table.

(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Total Imports	**75,886**	**620**	**6,416**	**17**	**477**	**141**	**0**	**0**	**769**	**155**	**3,787**	**12,382**	**88,268**	**2,847**
							PAD District IV							
Other														
Canada	1,724	418	0	0	38	0	0	167	0	1	32	656	2,380	77
Subtotal Other	1,724	418	0	0	38	0	0	167	0	1	32	656	2,380	77
Total Imports	**1,724**	**418**	**0**	**0**	**38**	**0**	**0**	**167**	**0**	**1**	**32**	**656**	**2,380**	**77**
							PAD District V							
Arab OPEC														
Saudi Arabia	0	0	0	0	0	151	0	0	0	0	0	151	151	5
Subtotal Arab OPEC	0	0	0	0	0	151	0	0	0	0	0	151	151	5
Other OPEC														
Indonesia	2,388	0	0	0	0	0	0	0	0	0	214	214	2,602	84
Venezuela	0	0	0	0	0	205	0	0	0	0	0	205	205	7
Subtotal Other OPEC	2,388	0	0	0	0	205	0	0	0	0	214	419	2,807	91
Other														
Argentina	0	0	0	0	170	0	0	0	0	0	0	170	170	5
Australia	2,128	0	0	0	0	0	0	0	0	0	0	0	2,128	69
Canada	295	291	33	0	197	116	0	44	0	45	26	752	1,047	34
Japan	0	4	0	0	0	0	0	21	0	0	36	61	61	2
Mexico	0	0	0	0	0	100	0	0	0	0	14	114	114	4
Singapore	0	0	0	0	0	25	0	0	310	0	0	335	335	11
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	257	0	0	0	0	0	0	0	0	0	0	0	257	8
Subtotal Other	2,680	295	33	0	367	241	0	65	310	45	77	1,433	4,113	133
Total Imports	**5,068**	**295**	**33**	**0**	**367**	**597**	**0**	**65**	**310**	**45**	**291**	**2,003**	**7,071**	**228**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,120	1,318	2,166	0	0	144	0	0	1,793	0	3,709	9,131	10,251	342
Iraq	8,168	0	0	0	0	0	0	0	0	0	0	0	8,168	272
Kuwait	348	0	0	0	0	0	0	0	0	0	0	0	348	12
Neutral Zone[4]	235	0	0	0	0	0	0	0	0	0	0	0	235	8
Saudi Arabia	23,686	0	3,550	0	219	192	0	220	0	0	0	4,181	27,867	929
United Arab Emirates	1,440	0	0	0	0	0	0	0	0	0	0	0	1,440	48
Subtotal Arab OPEC	34,997	1,318	5,716	0	219	337	0	220	1,793	0	3,709	13,312	48,309	1,610
Other OPEC														
Ecuador	1,472	0	0	0	0	0	0	0	355	0	0	355	1,827	61
Gabon	975	0	0	0	0	0	0	0	0	0	0	0	975	33
Indonesia	4,959	0	0	0	0	0	0	0	10	0	0	10	4,969	166
Nigeria	21,177	0	0	0	0	0	0	0	164	0	0	164	21,341	711
Venezuela	13,657	0	2,512	0	1,307	663	0	1,431	4,709	1	702	11,325	24,982	833
Subtotal Other OPEC	42,240	0	2,512	0	1,307	663	0	1,431	5,238	1	702	11,854	54,094	1,803
Other														
Angola	5,830	0	0	0	0	0	0	0	0	0	0	0	5,830	194
Argentina	310	0	0	0	0	0	0	0	0	4	0	4	314	10
Australia	853	0	0	0	0	0	0	0	217	0	0	217	1,070	36
Bahama Islands	0	0	0	0	250	0	0	0	533	0	0	783	783	26
Belgium	0	0	0	0	243	0	0	0	271	0	0	514	514	17
Brazil	0	63	0	0	2,731	0	0	0	600	0	28	3,422	3,422	114
Brunei	131	0	0	0	0	0	0	0	0	0	0	0	131	4
Cameroon	785	0	0	0	0	0	0	0	61	0	0	61	846	28
Canada	21,082	3,257	23	0	1,524	194	7	2,218	800	144	300	8,467	29,549	985
China, People's Republic of	2,609	0	0	0	157	0	0	0	0	0	41	198	2,807	94
China, Taiwan	0	7	0	0	0	0	0	0	0	0	18	25	25	1
Colombia	4,359	0	0	0	0	0	0	0	293	0	0	293	4,652	155
Congo	1,034	0	0	0	0	0	0	0	0	0	0	0	1,034	34
Egypt	710	0	0	0	0	0	0	0	0	0	2	2	712	24
France	0	0	0	0	526	0	0	0	0	0	9	535	535	18
Germany, DR (E)	0	0	0	0	0	0	0	230	0	0	0	230	230	8
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	4	34	38	38	1
Ghana	0	0	0	0	0	0	0	0	152	0	0	152	152	5
Greece	0	0	239	0	0	0	0	0	0	0	0	239	239	8
India	0	0	635	0	0	0	0	0	0	0	261	896	896	30
Ireland	0	0	174	0	0	0	0	0	0	0	0	174	174	6
Italy	351	0	336	0	674	204	0	311	274	10	0	1,809	2,160	72
Japan	0	2	0	0	0	0	0	0	0	0	23	25	25	1
Korea, Republic of	0	1	0	0	76	0	0	0	0	0	37	114	114	4
Malaysia	283	0	0	0	0	0	0	0	0	0	0	0	283	9
Mauritania	0	0	0	0	0	0	0	0	245	0	0	245	245	8
Mexico	17,235	1,485	0	0	417	294	0	204	349	0	347	3,096	20,331	678
Netherlands Antilles	0	0	0	0	269	0	0	239	774	0	0	1,282	1,282	43
Netherlands	0	3	0	0	0	0	151	0	0	0	7	161	161	5
Norway	1,961	0	0	0	0	0	0	0	0	0	0	0	1,961	65
Oman	0	0	258	0	0	0	0	0	0	0	0	258	258	9

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, April 1988 (Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							All PAD Districts (continued)							
Other (continued)														
Peru	0	0	0	0	0	0	0	0	754	0	0	754	754	25
Puerto Rico	0	0	138	0	0	0	0	0	0	0	740	878	878	29
Romania	0	0	0	972	542	0	0	0	0	0	0	1,514	1,514	50
South Africa	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
Spain	0	2	393	0	1,820	214	0	0	222	0	153	2,804	2,804	93
Sweden	0	0	0	0	0	0	0	0	249	0	0	249	249	8
Switzerland	0	0	413	0	0	0	0	0	0	0	0	413	413	14
Syria	301	0	0	0	0	0	0	0	194	0	0	194	495	17
Thailand	350	0	0	0	0	0	0	0	0	0	0	0	350	12
Trinidad and Tobago	2,159	0	0	0	0	0	0	0	298	0	0	298	2,457	82
Tunisia	0	0	220	0	0	0	0	0	0	0	0	220	220	7
Turkey	0	0	394	0	0	0	0	0	0	0	47	441	441	15
United Kingdom	16,690	2	0	0	491	207	0	410	0	0	14	1,124	17,814	594
Virgin Islands	0	0	1,506	495	732	398	71	1,050	1,544	0	0	5,796	5,796	193
Zaire	742	0	0	0	0	0	0	0	0	0	0	0	742	25
Subtotal Other	77,775	4,823	4,729	1,467	10,452	1,512	229	4,662	7,830	162	2,068	37,933	115,708	3,857
Total Imports	**155,012**	**6,141**	**12,957**	**1,467**	**11,978**	**2,511**	**229**	**6,313**	**14,861**	**163**	**6,479**	**63,099**	**218,111**	**7,270**
							PAD District I							
Arab OPEC														
Algeria	0	612	1,106	0	0	144	0	0	512	0	0	2,375	2,375	79
Saudi Arabia	550	0	355	0	219	90	0	220	0	0	0	884	1,434	48
Subtotal Arab OPEC	550	612	1,461	0	219	235	0	220	512	0	0	3,259	3,809	127
Other OPEC														
Ecuador	1,100	0	0	0	0	0	0	0	355	0	0	355	1,455	49
Gabon	577	0	0	0	0	0	0	0	0	0	0	0	577	19
Indonesia	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Nigeria	11,625	0	0	0	0	0	0	0	164	0	0	164	11,789	393
Venezuela	3,889	0	457	0	828	614	0	1,431	4,709	1	541	8,581	12,470	416
Subtotal Other OPEC	17,191	0	457	0	828	614	0	1,431	5,238	1	541	9,110	26,301	877
Other														
Angola	1,509	0	0	0	0	0	0	0	0	0	0	0	1,509	50
Argentina	310	0	0	0	0	0	0	0	0	4	0	4	314	10
Bahama Islands	0	0	0	0	0	0	0	0	533	0	0	533	533	18
Belgium	0	0	0	0	243	0	0	0	271	0	0	514	514	17
Brazil	0	0	0	0	2,253	0	0	0	600	0	28	2,881	2,881	96
Cameroon	0	0	0	0	0	0	0	0	61	0	0	61	61	2
Canada	1,064	442	5	0	998	105	7	1,830	644	10	173	4,214	5,278	176
China, People's Republic of	728	0	0	0	0	0	0	0	0	0	15	15	743	25
China, Taiwan	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
Colombia	1,015	0	0	0	0	0	0	0	293	0	0	293	1,308	44
Congo	280	0	0	0	0	0	0	0	0	0	0	0	280	9
Egypt	710	0	0	0	0	0	0	0	0	0	0	0	710	24

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other (continued)														
France	0	0	0	0	314	0	0	0	0	0	9	323	323	11
Germany, DR (E)	0	0	0	0	0	0	0	230	0	0	0	230	230	8
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	1	1	1	(s)
Ghana	0	0	0	0	0	0	0	0	152	0	0	152	152	5
Italy	0	0	0	0	674	0	0	311	274	10	0	1,269	1,269	42
Japan	0	0	0	0	0	0	0	0	0	0	23	23	23	1
Mauritania	0	0	0	0	0	0	0	0	245	0	0	245	245	8
Mexico	1,516	0	0	0	309	97	0	204	109	0	307	1,026	2,542	85
Netherlands Antilles	0	0	0	0	0	0	0	239	774	0	0	1,013	1,013	34
Netherlands	0	0	0	0	0	0	151	0	0	0	7	158	158	5
Peru	0	0	0	0	0	0	0	0	754	0	0	754	754	25
Puerto Rico	0	0	138	0	0	0	0	0	0	0	605	743	743	25
Romania	0	0	0	941	542	0	0	0	0	0	0	1,483	1,483	49
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Spain	0	2	0	0	1,819	214	0	0	222	0	153	2,410	2,410	80
Sweden	0	0	0	0	0	0	0	0	249	0	0	249	249	8
Syria	301	0	0	0	0	0	0	0	194	0	0	194	495	17
Trinidad and Tobago	272	0	0	0	0	0	0	0	298	0	0	298	570	19
United Kingdom	4,846	0	0	0	491	207	0	410	0	0	0	1,108	5,954	198
Virgin Islands	0	0	1,506	495	732	398	71	1,050	1,544	0	0	5,796	5,796	193
Zaire	648	0	0	0	0	0	0	0	0	0	0	0	648	22
Subtotal Other	13,199	448	1,649	1,436	8,375	1,021	229	4,274	7,217	24	1,326	25,999	39,198	1,307
Total Imports	**30,940**	**1,060**	**3,567**	**1,436**	**9,422**	**1,870**	**229**	**5,925**	**12,967**	**25**	**1,867**	**38,367**	**69,307**	**2,310**
	PAD District II													
Arab OPEC														
Algeria	294	0	0	0	0	0	0	0	0	0	0	0	294	10
Iraq	1,308	0	0	0	0	0	0	0	0	0	0	0	1,308	44
Kuwait	156	0	0	0	0	0	0	0	0	0	0	0	156	5
Saudi Arabia	5,143	0	0	0	0	0	0	0	0	0	0	0	5,143	171
Subtotal Arab OPEC	6,901	0	0	0	0	0	0	0	0	0	0	0	6,901	230
Other OPEC														
Ecuador	372	0	0	0	0	0	0	0	0	0	0	0	372	12
Nigeria	4,432	0	0	0	0	0	0	0	0	0	0	0	4,432	148
Venezuela	517	0	238	0	0	49	0	0	0	0	0	287	804	27
Subtotal Other OPEC	5,321	0	238	0	0	49	0	0	0	0	0	287	5,608	187
Other														
Canada	16,296	2,321	0	0	155	89	0	168	79	79	74	2,965	19,261	642
Colombia	472	0	0	0	0	0	0	0	0	0	0	0	472	16
Japan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	904	0	0	0	0	7	0	0	0	0	0	7	911	30
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
United Kingdom	2,000	2	0	0	0	0	0	0	0	0	0	2	2,002	67
Subtotal Other	19,672	2,323	0	0	155	96	0	168	79	79	75	2,975	22,647	755

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, April 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District II (continued)													
Other (continued)														
Total Imports	**31,894**	**2,323**	**238**	**0**	**155**	**145**	**0**	**168**	**79**	**79**	**75**	**3,262**	**35,156**	**1,172**
	PAD District III													
Arab OPEC														
Algeria	826	706	1,060	0	0	0	0	0	1,281	0	3,709	6,756	7,582	253
Iraq	6,860	0	0	0	0	0	0	0	0	0	0	0	6,860	229
Kuwait	192	0	0	0	0	0	0	0	0	0	0	0	192	6
Neutral Zone[4]	235	0	0	0	0	0	0	0	0	0	0	0	235	8
Saudi Arabia	17,993	0	3,195	0	0	0	0	0	0	0	0	3,195	21,188	706
United Arab Emirates	1,440	0	0	0	0	0	0	0	0	0	0	0	1,440	48
Subtotal Arab OPEC	27,546	706	4,255	0	0	0	0	0	1,281	0	3,709	9,951	37,497	1,250
Other OPEC														
Gabon	398	0	0	0	0	0	0	0	0	0	0	0	398	13
Indonesia	1,048	0	0	0	0	0	0	0	0	0	0	0	1,048	35
Nigeria	5,120	0	0	0	0	0	0	0	0	0	0	0	5,120	171
Venezuela	9,251	0	1,817	0	479	0	0	0	0	0	20	2,316	11,567	386
Subtotal Other OPEC	15,817	0	1,817	0	479	0	0	0	0	0	20	2,316	18,133	604
Other														
Angola	4,321	0	0	0	0	0	0	0	0	0	0	0	4,321	144
Brazil	0	63	0	0	233	0	0	0	0	0	0	296	296	10
Cameroon	785	0	0	0	0	0	0	0	0	0	0	0	785	26
Canada	1,222	1	18	0	0	0	0	0	0	47	25	91	1,313	44
China, People's Republic of	1,461	0	0	0	0	0	0	0	0	0	26	26	1,487	50
Colombia	2,872	0	0	0	0	0	0	0	0	0	0	0	2,872	96
Congo	754	0	0	0	0	0	0	0	0	0	0	0	754	25
Egypt	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Germany, FD (W)	0	0	0	0	0	0	0	0	0	4	33	37	37	1
Greece	0	0	239	0	0	0	0	0	0	0	0	239	239	8
India	0	0	635	0	0	0	0	0	0	0	261	896	896	30
Ireland	0	0	174	0	0	0	0	0	0	0	0	174	174	6
Italy	351	0	336	0	0	0	0	0	0	0	0	336	687	23
Mexico	14,815	1,485	0	0	0	190	0	0	240	0	18	1,933	16,748	558
Norway	1,961	0	0	0	0	0	0	0	0	0	0	0	1,961	65
Oman	0	0	258	0	0	0	0	0	0	0	0	258	258	9
Puerto Rico	0	0	0	0	0	0	0	0	0	0	135	135	135	5
Romania	0	0	0	31	0	0	0	0	0	0	0	31	31	1
Spain	0	0	393	0	1	0	0	0	0	0	0	394	394	13
Trinidad and Tobago	1,887	0	0	0	0	0	0	0	0	0	0	0	1,887	63
Tunisia	0	0	220	0	0	0	0	0	0	0	0	220	220	7
Turkey	0	0	394	0	0	0	0	0	0	0	47	441	441	15
United Kingdom	9,844	0	0	0	0	0	0	0	0	0	14	14	9,858	329
Zaire	94	0	0	0	0	0	0	0	0	0	0	0	94	3
Subtotal Other	40,367	1,548	2,667	31	234	190	0	0	240	51	561	5,522	45,889	1,530

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] April 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III (continued)													
Other (continued)														
Total Imports	**83,730**	**2,254**	**8,739**	**31**	**713**	**190**	**0**	**0**	**1,521**	**51**	**4,290**	**17,790**	**101,520**	**3,384**
	PAD District IV													
Other														
Canada	1,781	288	0	0	65	0	0	150	0	0	1	504	2,285	76
Subtotal Other	1,781	288	0	0	65	0	0	150	0	0	1	504	2,285	76
Total Imports	**1,781**	**288**	**0**	**0**	**65**	**0**	**0**	**150**	**0**	**0**	**1**	**504**	**2,285**	**76**
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	0	102	0	0	0	0	0	102	102	3
Subtotal Arab OPEC	0	0	0	0	0	102	0	0	0	0	0	102	102	3
Other OPEC														
Indonesia	3,911	0	0	0	0	0	0	0	0	0	0	0	3,911	130
Venezuela	0	0	0	0	0	0	0	0	0	0	141	141	141	5
Subtotal Other OPEC	3,911	0	0	0	0	0	0	0	0	0	141	141	4,052	135
Other														
Australia	853	0	0	0	0	0	0	0	217	0	0	217	1,070	36
Bahama Islands	0	0	0	0	250	0	0	0	0	0	0	250	250	8
Brazil	0	0	0	0	245	0	0	0	0	0	0	245	245	8
Brunei	131	0	0	0	0	0	0	0	0	0	0	0	131	4
Canada	719	205	0	0	306	0	0	70	77	8	27	693	1,412	47
China, People's Republic of	420	0	0	0	157	0	0	0	0	0	0	157	577	19
China, Taiwan	0	4	0	0	0	0	0	0	0	0	18	22	22	1
France	0	0	0	0	212	0	0	0	0	0	0	212	212	7
Italy	0	0	0	0	0	204	0	0	0	0	0	204	204	7
Japan	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Korea, Republic of	0	1	0	0	76	0	0	0	0	0	37	114	114	4
Malaysia	283	0	0	0	0	0	0	0	0	0	0	0	283	9
Mexico	0	0	0	0	108	0	0	0	0	0	22	130	130	4
Netherlands Antilles	0	0	0	0	269	0	0	0	0	0	0	269	269	9
Netherlands	0	3	0	0	0	0	0	0	0	0	0	3	3	(s)
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Switzerland	0	0	413	0	0	0	0	0	0	0	0	413	413	14
Thailand	350	0	0	0	0	0	0	0	0	0	0	0	350	12
Subtotal Other	2,756	215	413	0	1,623	204	0	70	294	8	105	2,932	5,688	190
Total Imports	**6,667**	**215**	**413**	**0**	**1,623**	**306**	**0**	**70**	**294**	**8**	**246**	**3,175**	**9,842**	**328**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) — Less than 500 barrels.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,207	663	699	0	0	0	0	457	1,603	0	4,300	7,722	9,929	320
Iraq	9,132	0	0	0	0	0	0	0	0	0	0	0	9,132	295
Kuwait	0	0	838	0	0	0	0	0	0	0	0	838	838	27
Saudi Arabia	26,982	407	3,004	335	978	294	74	192	0	0	0	5,284	32,266	1,041
United Arab Emirates	1,281	0	0	0	0	0	0	0	0	0	0	0	1,281	41
Subtotal Arab OPEC	39,602	1,070	4,541	335	978	294	74	649	1,603	0	4,300	13,844	53,446	1,724
Other OPEC														
Ecuador	356	0	0	0	0	0	0	0	541	0	0	541	897	29
Gabon	291	0	0	0	0	0	0	0	0	0	0	0	291	9
Indonesia	9,227	0	0	0	0	0	0	0	0	0	0	0	9,227	298
Nigeria	18,618	0	0	0	0	0	0	0	0	0	0	0	18,618	601
Venezuela	18,712	0	1,488	0	925	1,060	0	2,133	1,089	15	635	7,345	26,057	841
Subtotal Other OPEC	47,204	0	1,488	0	925	1,060	0	2,133	1,630	15	635	7,886	55,090	1,777
Other														
Angola	8,483	0	0	0	0	0	0	0	353	0	0	353	8,836	285
Argentina	57	0	0	0	0	0	0	0	0	8	0	8	65	2
Australia	1,854	0	0	0	0	0	0	0	243	0	51	294	2,148	69
Bahama Islands	0	0	0	0	0	0	0	0	745	0	0	745	745	24
Belgium	0	0	605	0	0	0	0	0	0	0	2	607	607	20
Benin	306	0	0	0	0	0	0	0	0	0	0	0	306	10
Bermuda	0	0	7	0	0	0	0	0	0	0	0	7	7	(s)
Brazil	0	87	0	0	2,148	0	0	0	499	0	0	2,734	2,734	88
Brunei	188	0	0	0	0	0	0	0	0	0	0	0	188	6
Cameroon	763	0	0	0	0	0	0	0	147	0	0	147	910	29
Canada	21,861	2,881	267	0	1,518	210	3	1,989	1,637	142	532	9,179	31,040	1,001
Chile	0	0	0	0	0	0	0	186	0	0	0	186	186	6
China, People's Republic of	2,621	1	0	0	156	0	0	0	0	0	67	224	2,845	92
China, Taiwan	0	11	0	0	0	0	0	0	0	0	0	11	11	(s)
Colombia	3,704	0	0	0	0	0	0	0	477	0	0	477	4,181	135
Congo	1,437	0	0	0	0	0	0	0	0	0	0	0	1,437	46
France	0	2	0	0	0	0	0	0	276	0	17	295	295	10
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	3	3	3	(s)
Ghana	0	0	151	0	0	0	0	0	0	0	0	151	151	5
Greece	0	0	0	0	1,241	0	0	103	200	0	0	1,544	1,544	50
Hong Kong	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	1,050	0	0	0	0	0	0	0	0	1,050	1,050	34
Israel	0	0	0	0	573	0	0	0	0	8	0	581	581	19
Italy	0	0	192	0	1,311	132	0	0	0	4	0	1,639	1,639	53
Japan	0	0	0	0	0	0	0	0	0	18	99	117	117	4
Korea, Republic of	0	2	0	0	0	10	0	0	0	0	0	12	12	(s)
Mexico	20,527	985	0	157	0	510	0	0	101	0	90	1,843	22,370	722
Netherlands Antilles	0	0	0	0	0	0	0	211	624	0	0	835	835	27
Netherlands	0	(s)	0	0	1,055	0	0	0	425	0	48	1,528	1,528	49
Norway	2,553	0	213	0	0	0	0	0	0	0	243	456	3,009	97
Oman	839	0	0	0	0	0	0	0	0	0	0	0	839	27

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Peru	0	0	0	0	0	0	0	0	971	0	0	971	971	31
Philippines	0	40	0	0	0	0	0	0	0	0	0	40	40	1
Portugal	0	0	0	0	0	0	0	0	0	0	28	28	28	1
Puerto Rico	0	0	103	0	0	0	0	0	0	0	531	634	634	20
Romania	0	0	0	1,676	614	0	0	0	297	0	0	2,587	2,587	83
Singapore	0	0	601	0	0	0	0	79	214	0	0	894	894	29
South Africa	0	0	0	0	0	0	0	0	0	0	10	10	10	(s)
Spain	0	38	136	142	669	558	0	311	0	0	268	2,123	2,123	68
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Thailand	451	0	0	0	0	0	0	0	0	0	0	0	451	15
Trinidad and Tobago	1,906	0	0	0	0	201	0	0	1,045	0	3	1,249	3,155	102
Turkey	0	0	0	0	0	0	0	0	0	0	34	34	34	1
United Kingdom	10,128	0	368	0	1,456	1	0	0	0	68	36	1,929	12,057	389
U.S.S.R.	0	0	385	0	149	0	0	273	0	0	0	807	807	26
Virgin Islands	0	0	2,527	372	763	491	0	1,904	1,903	0	0	7,960	7,960	257
Zaire	1,026	0	0	0	0	0	0	0	0	0	0	0	1,026	33
Subtotal Other	78,704	4,049	6,605	2,347	11,653	2,113	3	5,056	10,157	248	2,063	44,293	122,997	3,968
Total Imports	**165,510**	**5,118**	**12,634**	**2,682**	**13,556**	**3,467**	**77**	**7,838**	**13,390**	**263**	**6,998**	**66,023**	**231,533**	**7,469**
	PAD District I													
Arab OPEC														
Algeria	0	0	695	0	0	0	0	457	1,603	0	0	2,755	2,755	89
Saudi Arabia	0	407	0	335	579	195	74	192	0	0	0	1,782	1,782	57
Subtotal Arab OPEC	0	407	695	335	579	195	74	649	1,603	0	0	4,537	4,537	146
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	360	0	0	360	360	12
Indonesia	561	0	0	0	0	0	0	0	0	0	0	0	561	18
Nigeria	9,291	0	0	0	0	0	0	0	0	0	0	0	9,291	300
Venezuela	5,858	0	0	0	825	641	0	2,133	1,089	0	635	5,323	11,181	361
Subtotal Other OPEC	15,710	0	0	0	825	641	0	2,133	1,449	0	635	5,683	21,393	690
Other														
Angola	4,689	0	0	0	0	0	0	0	353	0	0	353	5,042	163
Argentina	57	0	0	0	0	0	0	0	0	8	0	8	65	2
Bahama Islands	0	0	0	0	0	0	0	0	745	0	0	745	745	24
Benin	306	0	0	0	0	0	0	0	0	0	0	0	306	10
Brazil	0	0	0	0	1,898	0	0	0	499	0	0	2,397	2,397	77
Cameroon	763	0	0	0	0	0	0	0	147	0	0	147	910	29
Canada	2,247	372	212	0	1,222	93	3	1,571	1,175	9	235	4,892	7,139	230
Chile	0	0	0	0	0	0	0	186	0	0	0	186	186	6
China, People's Republic of	704	0	0	0	0	0	0	0	0	0	67	67	771	25
China, Taiwan	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Colombia	397	0	0	0	0	0	0	0	477	0	0	477	874	28
Congo	196	0	0	0	0	0	0	0	0	0	0	0	196	6

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, May 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other (continued)														
France	0	2	0	0	0	0	0	0	276	0	17	295	295	10
Germany, FD (W)	0	(s)	0	0	0	0	0	0	0	0	3	3	3	(s)
Ghana	0	0	133	0	0	0	0	0	0	0	0	133	133	4
Greece	0	0	0	0	1,241	0	0	103	200	0	0	1,544	1,544	50
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	278	0	0	0	0	0	0	0	0	278	278	9
Israel	0	0	0	0	573	0	0	0	0	0	0	573	573	18
Italy	0	0	192	0	1,311	0	0	0	0	0	0	1,503	1,503	48
Japan	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Korea, Republic of	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Mexico	3,589	0	0	0	0	175	0	0	101	0	0	276	3,865	125
Netherlands Antilles	0	0	0	0	0	0	0	211	624	0	0	835	835	27
Netherlands	0	(s)	0	0	1,055	0	0	0	425	0	8	1,488	1,488	48
Norway	1,109	0	213	0	0	0	0	0	0	0	243	456	1,565	50
Oman	839	0	0	0	0	0	0	0	0	0	0	0	839	27
Peru	0	0	0	0	0	0	0	0	971	0	0	971	971	31
Puerto Rico	0	0	0	0	0	0	0	0	0	0	426	426	426	14
Romania	0	0	0	1,676	614	0	0	0	297	0	0	2,587	2,587	83
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Spain	0	0	136	142	669	307	0	0	0	0	207	1,461	1,461	47
Trinidad and Tobago	412	0	0	0	0	0	0	0	1,045	0	3	1,048	1,460	47
United Kingdom	3,597	0	0	0	1,456	1	0	0	0	68	0	1,525	5,122	165
U.S.S.R.	0	0	0	0	149	0	0	273	0	0	0	422	422	14
Virgin Islands	0	0	2,095	372	763	491	0	1,904	1,903	0	0	7,528	7,528	243
Zaire	571	0	0	0	0	0	0	0	0	0	0	0	571	18
Subtotal Other	19,476	382	3,259	2,190	10,951	1,067	3	4,248	9,238	85	1,217	32,639	52,115	1,681
Total Imports	**35,186**	**789**	**3,954**	**2,525**	**12,355**	**1,903**	**77**	**7,030**	**12,290**	**85**	**1,852**	**42,859**	**78,045**	**2,518**
	PAD District II													
Arab OPEC														
Algeria	326	0	0	0	0	0	0	0	0	0	0	0	326	11
Iraq	902	0	0	0	0	0	0	0	0	0	0	0	902	29
Saudi Arabia	4,978	0	0	0	0	0	0	0	0	0	0	0	4,978	161
Subtotal Arab OPEC	6,206	0	0	0	0	0	0	0	0	0	0	0	6,206	200
Other OPEC														
Indonesia	659	0	0	0	0	0	0	0	0	0	0	0	659	21
Nigeria	3,887	0	0	0	0	0	0	0	0	0	0	0	3,887	125
Venezuela	1,067	0	396	0	0	305	0	0	0	0	0	701	1,768	57
Subtotal Other OPEC	5,613	0	396	0	0	305	0	0	0	0	0	701	6,314	204
Other														
Canada	16,244	1,849	0	0	86	100	0	111	39	80	66	2,331	18,575	599
Congo	480	0	0	0	0	0	0	0	0	0	0	0	480	15
Italy	0	0	0	0	0	132	0	0	0	0	0	132	132	4
Mexico	2,663	0	0	0	0	335	0	0	0	0	0	335	2,998	97

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District II (continued)													
Other (continued)														
Norway	447	0	0	0	0	0	0	0	0	0	0	0	447	14
Puerto Rico	0	0	103	0	0	0	0	0	0	0	0	103	103	3
South Africa	0	0	0	0	0	0	0	0	0	0	6	6	6	(s)
Spain	0	0	0	0	0	251	0	0	0	0	61	312	312	10
Trinidad and Tobago	0	0	0	0	0	201	0	0	0	0	0	201	201	6
United Kingdom	1,683	0	368	0	0	0	0	0	0	0	0	368	2,051	66
Zaire	321	0	0	0	0	0	0	0	0	0	0	0	321	10
Subtotal Other	21,838	1,849	471	0	86	1,019	0	111	39	80	133	3,788	25,626	827
Total Imports	**33,657**	**1,849**	**867**	**0**	**86**	**1,324**	**0**	**111**	**39**	**80**	**133**	**4,489**	**38,146**	**1,231**
	PAD District III													
Arab OPEC														
Algeria	1,881	663	4	0	0	0	0	0	0	0	4,300	4,967	6,848	221
Iraq	8,230	0	0	0	0	0	0	0	0	0	0	0	8,230	265
Kuwait	0	0	838	0	0	0	0	0	0	0	0	838	838	27
Saudi Arabia	22,004	0	3,004	0	0	0	0	0	0	0	0	3,004	25,008	807
United Arab Emirates	594	0	0	0	0	0	0	0	0	0	0	0	594	19
Subtotal Arab OPEC	32,709	663	3,846	0	0	0	0	0	0	0	4,300	8,809	41,518	1,339
Other OPEC														
Ecuador	356	0	0	0	0	0	0	0	0	0	0	0	356	11
Gabon	291	0	0	0	0	0	0	0	0	0	0	0	291	9
Indonesia	2,661	0	0	0	0	0	0	0	0	0	0	0	2,661	86
Nigeria	5,440	0	0	0	0	0	0	0	0	0	0	0	5,440	175
Venezuela	11,787	0	1,092	0	100	0	0	0	0	15	0	1,207	12,994	419
Subtotal Other OPEC	20,535	0	1,092	0	100	0	0	0	0	15	0	1,207	21,742	701
Other														
Angola	3,794	0	0	0	0	0	0	0	0	0	0	0	3,794	122
Australia	569	0	0	0	0	0	0	0	0	0	51	51	620	20
Belgium	0	0	605	0	0	0	0	0	0	0	2	607	607	20
Bermuda	0	0	7	0	0	0	0	0	0	0	0	7	7	(s)
Brazil	0	87	0	0	250	0	0	0	0	0	0	337	337	11
Canada	567	0	55	0	0	0	0	0	350	41	134	580	1,147	37
China, People's Republic of	1,472	0	0	0	0	0	0	0	0	0	0	0	1,472	47
Colombia	3,307	0	0	0	0	0	0	0	0	0	0	0	3,307	107
Congo	761	0	0	0	0	0	0	0	0	0	0	0	761	25
Ghana	0	0	18	0	0	0	0	0	0	0	0	18	18	1
India	0	0	772	0	0	0	0	0	0	0	0	772	772	25
Israel	0	0	0	0	0	0	0	0	0	8	0	8	8	(s)
Italy	0	0	0	0	0	0	0	0	0	4	0	4	4	(s)
Japan	0	0	0	0	0	0	0	0	0	18	60	78	78	3
Mexico	14,275	985	0	157	0	0	0	0	0	0	10	1,152	15,427	498
Netherlands	0	0	0	0	0	0	0	0	0	0	40	40	40	1
Norway	997	0	0	0	0	0	0	0	0	0	0	0	997	32

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, May 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District III (continued)														
Other (continued)														
Portugal	0	0	0	0	0	0	0	0	0	0	28	28	28	1
Puerto Rico	0	0	0	0	0	0	0	0	0	0	105	105	105	3
Spain	0	38	0	0	0	0	0	311	0	0	0	349	349	11
Trinidad and Tobago	1,494	0	0	0	0	0	0	0	0	0	0	0	1,494	48
Turkey	0	0	0	0	0	0	0	0	0	0	34	34	34	1
United Kingdom	4,848	0	0	0	0	0	0	0	0	0	36	36	4,884	158
U.S.S.R.	0	0	385	0	0	0	0	0	0	0	0	385	385	12
Zaire	134	0	0	0	0	0	0	0	0	0	0	0	134	4
Subtotal Other	32,218	1,111	1,842	157	250	0	0	311	350	71	500	4,592	36,810	1,187
Total Imports	**85,462**	**1,774**	**6,780**	**157**	**350**	**0**	**0**	**311**	**350**	**86**	**4,800**	**14,608**	**100,070**	**3,228**
PAD District IV														
Other														
Canada	2,096	351	0	0	45	0	0	114	0	0	7	517	2,613	84
China, People's Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Subtotal Other	2,096	352	0	0	45	0	0	114	0	0	7	518	2,614	84
Total Imports	**2,096**	**352**	**0**	**0**	**45**	**0**	**0**	**114**	**0**	**0**	**7**	**518**	**2,614**	**84**
PAD District V														
Arab OPEC														
Saudi Arabia	0	0	0	0	399	99	0	0	0	0	0	498	498	16
United Arab Emirates	687	0	0	0	0	0	0	0	0	0	0	0	687	22
Subtotal Arab OPEC	687	0	0	0	399	99	0	0	0	0	0	498	1,185	38
Other OPEC														
Ecuador	0	0	0	0	0	0	0	0	181	0	0	181	181	6
Indonesia	5,346	0	0	0	0	0	0	0	0	0	0	0	5,346	172
Venezuela	0	0	0	0	0	114	0	0	0	0	0	114	114	4
Subtotal Other OPEC	5,346	0	0	0	0	114	0	0	181	0	0	295	5,641	182
Other														
Australia	1,285	0	0	0	0	0	0	0	243	0	0	243	1,528	49
Brunei	188		0	0	0	0	0	0	0	0	0	0	188	6
Canada	707	309	0	0	165	17	0	193	73	12	90	859	1,566	51
China, People's Republic of	445	0	0	0	156	0	0	0	0	0	0	156	601	19
China, Taiwan	0	6	0	0	0	0	0	0	0	0	0	6	6	(s)
Hong Kong	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Japan	0	0	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic of	0	(s)	0	0	0	10	0	0	0	0	0	10	10	(s)
Mexico	0	0	0	0	0	0	0	0	0	0	80	80	80	3
Philippines	0	40	0	0	0	0	0	0	0	0	0	40	40	1

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] May 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District V (continued)													
Other (continued)														
Singapore	0	0	601	0	0	0	0	79	214	0	0	894	894	29
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Thailand	451	0	0	0	0	0	0	0	0	0	0	0	451	15
Virgin Islands	0	0	432	0	0	0	0	0	0	0	0	432	432	14
Subtotal Other	3,076	355	1,033	0	321	27	0	272	530	12	206	2,755	5,832	188
Total Imports	**9,109**	**355**	**1,033**	**0**	**720**	**240**	**0**	**272**	**711**	**12**	**206**	**3,549**	**12,658**	**408**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District, June 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,556	379	1,561	0	0	0	0	0	1,065	0	3,300	6,305	7,861	262
Iraq	12,494	0	407	0	0	0	0	0	0	0	0	407	12,901	430
Kuwait	0	0	273	0	0	0	0	0	0	0	0	273	273	9
Saudi Arabia	22,471	0	3,755	0	861	170	251	194	0	0	0	5,231	27,702	923
United Arab Emirates	0	0	323	0	0	0	0	0	0	0	0	323	323	11
Subtotal Arab OPEC	36,521	379	6,319	0	861	170	251	194	1,065	0	3,300	12,539	49,060	1,635
Other OPEC														
Ecuador	718	0	0	0	0	0	0	0	538	0	0	538	1,256	42
Gabon	1,387	0	0	0	0	0	0	0	0	0	0	0	1,387	46
Indonesia	5,510	0	0	0	0	0	0	0	0	0	0	0	5,510	184
Nigeria	25,966	0	285	0	0	0	0	0	0	0	0	285	26,251	875
Venezuela	17,019	180	1,470	236	2,125	594	0	2,585	641	1	651	8,483	25,502	850
Subtotal Other OPEC	50,600	180	1,755	236	2,125	594	0	2,585	1,179	1	651	9,306	59,906	1,997
Other														
Angola	4,429	0	0	0	0	0	0	0	322	0	0	322	4,751	158
Argentina	0	0	0	0	0	0	0	0	0	60	0	60	60	2
Australia	1,908	0	0	0	0	0	0	0	0	0	0	0	1,908	64
Bahama Islands	0	0	0	0	0	0	0	0	453	0	0	453	453	15
Belgium	0	0	508	208	0	0	0	0	0	0	5	721	721	24
Brazil	0	50	0	0	2,523	0	0	0	626	17	0	3,216	3,216	107
Cameroon	840	0	0	0	0	0	0	0	55	0	0	55	895	30
Canada	22,330	3,178	19	0	1,640	204	12	1,898	1,161	121	395	8,628	30,958	1,032
China, People's Republic of	2,564	0	0	0	243	0	0	0	0	0	0	243	2,807	94
China, Taiwan	0	4	0	0	0	0	0	0	0	0	30	34	34	1
Colombia	1,002	0	0	0	0	0	0	0	101	0	0	101	1,103	37
Congo	2,466	0	0	0	0	0	0	0	0	0	0	0	2,466	82
Egypt	583	0	0	0	0	0	0	0	0	0	0	0	583	19
France	0	0	0	0	0	0	0	0	304	0	0	304	304	10
Germany, FD (W)	0	0	252	0	0	0	0	0	0	0	2	254	254	8
Greece	0	0	0	0	704	0	0	0	0	0	0	704	704	23
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	298	0	0	0	0	0	0	0	866	1,164	1,164	39
Israel	0	0	0	0	277	0	0	0	0	0	0	277	277	9
Italy	335	0	333	0	262	0	0	0	279	0	32	906	1,241	41
Japan	0	(s)	0	0	0	0	0	36	0	0	2	38	38	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Malaysia	625	0	0	0	0	0	0	0	0	0	0	0	625	21
Mexico	21,789	479	0	0	0	419	0	0	4	0	291	1,193	22,982	766
Netherlands Antilles	0	0	0	0	0	0	0	0	932	0	0	932	932	31
Netherlands	0	2	0	66	1,194	0	0	0	234	29	50	1,575	1,575	53
Norway	0	0	16	0	0	0	0	0	0	0	0	16	16	1
Oman	1,301	0	408	0	0	0	0	0	0	0	0	408	1,709	57
Peru	756	0	0	0	0	0	0	0	93	0	0	93	849	28
Philippines	0	34	0	0	0	0	0	0	0	0	0	34	34	1
Portugal	0	0	0	0	0	0	0	0	0	0	20	20	20	1
Puerto Rico	0	0	0	0	0	0	0	0	0	0	392	392	392	13

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Romania	0	0	0	1,176	558	0	0	423	230	0	0	2,387	2,387	80
Singapore	0	0	0	0	0	0	0	0	160	0	0	160	160	5
South Africa	0	0	0	0	0	0	0	0	210	0	6	216	216	7
Spain	0	0	0	0	912	323	0	0	231	0	253	1,719	1,719	57
Sweden	0	1	0	0	0	0	0	0	174	0	35	210	210	7
Syria	315	0	0	0	0	0	0	0	0	0	0	0	315	11
Thailand	399	0	0	0	0	0	0	0	0	0	0	0	399	13
Trinidad and Tobago	2,389	0	0	0	0	0	0	0	960	0	2	962	3,351	112
Turkey	0	0	33	0	0	0	0	0	0	0	58	91	91	3
United Kingdom	6,004	2	368	0	242	0	0	179	171	0	0	962	6,966	232
U.S.S.R.	0	0	446	0	0	0	0	0	0	8	0	454	454	15
Virgin Islands	0	0	1,572	375	1,298	629	0	1,334	1,142	0	0	6,350	6,350	212
Yemen (Sanaa)	1,595	0	0	0	0	0	0	0	0	0	0	0	1,595	53
Zaire	696	0	0	0	0	0	0	0	0	0	0	0	696	23
Subtotal Other	72,546	3,752	4,253	1,825	9,853	1,574	12	3,870	7,842	235	2,439	35,656	108,202	3,607
Total Imports	**159,667**	**4,311**	**12,327**	**2,061**	**12,839**	**2,338**	**263**	**6,649**	**10,086**	**236**	**6,390**	**57,500**	**217,167**	**7,239**
	PAD District I													
Arab OPEC														
Algeria	0	0	1,561	0	0	0	0	0	438	0	0	1,999	1,999	67
Iraq	1,206	0	0	0	0	0	0	0	0	0	0	0	1,206	40
Saudi Arabia	578	0	0	0	606	170	251	194	0	0	0	1,221	1,799	60
Subtotal Arab OPEC	1,784	0	1,561	0	606	170	251	194	438	0	0	3,220	5,004	167
Other OPEC														
Ecuador	380	0	0	0	0	0	0	0	538	0	0	538	918	31
Indonesia	565	0	0	0	0	0	0	0	0	0	0	0	565	19
Nigeria	12,026	0	0	0	0	0	0	0	0	0	0	0	12,026	401
Venezuela	5,781	0	230	0	2,026	533	0	2,585	391	1	651	6,417	12,198	407
Subtotal Other OPEC	18,752	0	230	0	2,026	533	0	2,585	929	1	651	6,955	25,707	857
Other														
Angola	1,975	0	0	0	0	0	0	0	322	0	0	322	2,297	77
Argentina	0	0	0	0	0	0	0	0	0	4	0	4	4	(s)
Bahama Islands	0	0	0	0	0	0	0	0	453	0	0	453	453	15
Brazil	0	0	0	0	2,523	0	0	0	626	17	0	3,166	3,166	106
Cameroon	0	0	0	0	0	0	0	0	55	0	0	55	55	2
Canada	2,452	293	5	0	1,315	100	12	1,311	936	42	288	4,302	6,754	225
China, People's Republic of	683	0	0	0	0	0	0	0	0	0	0	0	683	23
China, Taiwan	0	4	0	0	0	0	0	0	0	0	0	4	4	(s)
Colombia	0	0	0	0	0	0	0	0	101	0	0	101	101	3
Congo	742	0	0	0	0	0	0	0	0	0	0	0	742	25
Egypt	583	0	0	0	0	0	0	0	0	0	0	0	583	19
France	0	0	0	0	0	0	0	0	304	0	0	304	304	10
Germany, FD (W)	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products By Source and PAD District, [illegible]
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District I (continued)														
Other (continued)														
Greece	0	0	0	0	704	0	0	0	0	0	0	704	704	23
Israel	0	0	0	0	277	0	0	0	0	0	0	277	277	9
Italy	335	0	333	0	262	0	0	0	279	0	10	884	1,219	41
Japan	0	(s)	0	0	0	0	0	0	0	0	2	2	2	(s)
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	3,596	0	0	0	0	152	0	0	0	0	224	376	3,972	132
Netherlands Antilles	0	0	0	0	0	0	0	0	932	0	0	932	932	31
Netherlands	0	2	0	66	486	0	0	0	234	22	3	813	813	27
Peru	380	0	0	0	0	0	0	0	93	0	0	93	473	16
Puerto Rico	0	0	0	0	0	0	0	0	0	0	379	379	379	13
Romania	0	0	0	1,176	558	0	0	423	230	0	0	2,387	2,387	80
South Africa	0	0	0	0	0	0	0	0	210	0	3	213	213	7
Spain	0	0	0	0	912	323	0	0	231	0	253	1,719	1,719	57
Sweden	0	0	0	0	0	0	0	0	174	0	0	174	174	6
Syria	315	0	0	0	0	0	0	0	0	0	0	0	315	11
Trinidad and Tobago	932	0	0	0	0	0	0	0	960	0	2	962	1,894	63
United Kingdom	4,453	2	0	0	242	0	0	179	171	0	0	594	5,047	168
U.S.S.R.	0	0	0	0	0	0	0	0	0	8	0	8	8	(s)
Virgin Islands	0	0	1,156	375	1,298	629	0	1,334	1,142	0	0	5,934	5,934	198
Yemen (Sanaa)	970	0	0	0	0	0	0	0	0	0	0	0	970	32
Subtotal Other	17,416	303	1,494	1,617	8,577	1,204	12	3,247	7,453	93	1,166	25,166	42,582	1,419
Total Imports	**37,952**	**303**	**3,285**	**1,617**	**11,209**	**1,906**	**263**	**6,026**	**8,820**	**94**	**1,817**	**35,340**	**73,292**	**2,443**
PAD District II														
Arab OPEC														
Iraq	498	0	0	0	0	0	0	0	0	0	0	0	498	17
Saudi Arabia	5,253	0	0	0	0	0	0	0	0	0	0	0	5,253	175
Subtotal Arab OPEC	5,751	0	0	0	0	0	0	0	0	0	0	0	5,751	192
Other OPEC														
Nigeria	1,671	0	0	0	0	0	0	0	0	0	0	0	1,671	56
Venezuela	20	0	0	0	0	61	0	0	0	0	0	61	81	3
Subtotal Other OPEC	1,691	0	0	0	0	61	0	0	0	0	0	61	1,752	58
Other														
Canada	16,774	2,436	0	0	57	98	0	130	113	70	87	2,991	19,765	659
Mexico	2,353	0	0	0	0	76	0	0	0	0	0	76	2,429	81
Peru	376	0	0	0	0	0	0	0	0	0	0	0	376	13
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Sweden	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Zaire	455	0	0	0	0	0	0	0	0	0	0	0	455	15
Subtotal Other	19,958	2,437	0	0	57	174	0	130	113	70	89	3,070	23,028	768
Total Imports	**27,400**	**2,437**	**0**	**0**	**57**	**236**	**0**	**130**	**113**	**70**	**89**	**3,132**	**30,532**	**1,018**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	1,556	379	0	0	0	0	0	0	627	0	3,300	4,306	5,862	195
Iraq	10,790	0	407	0	0	0	0	0	0	0	0	407	11,197	373
Kuwait	0	0	273	0	0	0	0	0	0	0	0	273	273	9
Saudi Arabia	16,640	0	3,755	0	0	0	0	0	0	0	0	3,755	20,395	680
United Arab Emirates	0	0	323	0	0	0	0	0	0	0	0	323	323	11
Subtotal Arab OPEC	28,986	379	4,758	0	0	0	0	0	627	0	3,300	9,064	38,050	1,268
Other OPEC														
Ecuador	338	0	0	0	0	0	0	0	0	0	0	0	338	11
Gabon	1,387	0	0	0	0	0	0	0	0	0	0	0	1,387	46
Indonesia	2,016	0	0	0	0	0	0	0	0	0	0	0	2,016	67
Nigeria	12,269	0	285	0	0	0	0	0	0	0	0	285	12,554	418
Venezuela	11,218	180	1,240	236	99	0	0	0	250	0	0	2,005	13,223	441
Subtotal Other OPEC	27,228	180	1,525	236	99	0	0	0	250	0	0	2,290	29,518	984
Other														
Angola	2,454	0	0	0	0	0	0	0	0	0	0	0	2,454	82
Argentina	0	0	0	0	0	0	0	0	0	56	0	56	56	2
Australia	1,177	0	0	0	0	0	0	0	0	0	0	0	1,177	39
Belgium	0	0	508	208	0	0	0	0	0	0	5	721	721	24
Brazil	0	50	0	0	0	0	0	0	0	0	0	50	50	2
Cameroon	840	0	0	0	0	0	0	0	0	0	0	0	840	28
Canada	0	0	14	0	0	0	0	301	0	0	0	315	315	11
China, People's Republic of	1,439	0	0	0	0	0	0	0	0	0	0	0	1,439	48
Colombia	1,002	0	0	0	0	0	0	0	0	0	0	0	1,002	33
Congo	1,724	0	0	0	0	0	0	0	0	0	0	0	1,724	57
Germany, FD (W)	0	0	252	0	0	0	0	0	0	0	0	252	252	8
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	298	0	0	0	0	0	0	0	866	1,164	1,164	39
Italy	0	0	0	0	0	0	0	0	0	0	22	22	22	1
Mexico	15,840	479	0	0	0	90	0	0	0	0	18	587	16,427	548
Netherlands	0	0	0	0	0	0	0	0	0	7	47	54	54	2
Norway	0	0	16	0	0	0	0	0	0	0	0	16	16	1
Oman	1,301	0	408	0	0	0	0	0	0	0	0	408	1,709	57
Portugal	0	0	0	0	0	0	0	0	0	0	20	20	20	1
Puerto Rico	0	0	0	0	0	0	0	0	0	0	13	13	13	(s)
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Sweden	0	0	0	0	0	0	0	0	0	0	35	35	35	1
Trinidad and Tobago	1,457	0	0	0	0	0	0	0	0	0	0	0	1,457	49
Turkey	0	0	33	0	0	0	0	0	0	0	58	91	91	3
United Kingdom	1,551	0	368	0	0	0	0	0	0	0	0	368	1,919	64
U.S.S.R.	0	0	446	0	0	0	0	0	0	0	0	446	446	15
Virgin Islands	0	0	416	0	0	0	0	0	0	0	0	416	416	14
Yemen (Sanaa)	625	0	0	0	0	0	0	0	0	0	0	0	625	21
Zaire	241	0	0	0	0	0	0	0	0	0	0	0	241	8
Subtotal Other	29,871	529	2,759	208	0	90	0	301	0	63	1,085	5,035	34,906	1,164
Total Imports	**86,085**	**1,088**	**9,042**	**444**	**99**	**90**	**0**	**301**	**877**	**63**	**4,385**	**16,389**	**102,474**	**3,416**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] June 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District IV														
Other														
Canada	2,116	228	0	0	50	0	0	94	0	0	7	379	2,495	83
Subtotal Other	2,116	228	0	0	50	0	0	94	0	0	7	379	2,495	83
Total Imports	**2,116**	**228**	**0**	**0**	**50**	**0**	**0**	**94**	**0**	**0**	**7**	**379**	**2,495**	**83**
PAD District V														
Arab OPEC														
Saudi Arabia	0	0	0	0	255	0	0	0	0	0	0	255	255	9
Subtotal Arab OPEC	0	0	0	0	255	0	0	0	0	0	0	255	255	9
Other OPEC														
Indonesia	2,929	0	0	0	0	0	0	0	0	0	0	0	2,929	98
Subtotal Other OPEC	2,929	0	0	0	0	0	0	0	0	0	0	0	2,929	98
Other														
Australia	731	0	0	0	0	0	0	0	0	0	0	0	731	24
Canada	988	221	0	0	218	6	0	62	112	9	13	641	1,629	54
China, People's Republic of	442	0	0	0	243	0	0	0	0	0	0	243	685	23
China, Taiwan	0	0	0	0	0	0	0	0	0	0	30	30	30	1
Japan	0	0	0	0	0	0	0	36	0	0	0	36	36	1
Korea, Republic of	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Malaysia	625	0	0	0	0	0	0	0	0	0	0	0	625	21
Mexico	0	0	0	0	0	100	0	0	4	0	49	153	153	5
Netherlands	0	0	0	0	708	0	0	0	0	0	0	708	708	24
Philippines	0	34	0	0	0	0	0	0	0	0	0	34	34	1
Singapore	0	0	0	0	0	0	0	0	160	0	0	160	160	5
Thailand	399	0	0	0	0	0	0	0	0	0	0	0	399	13
Subtotal Other	3,185	255	0	0	1,169	106	0	98	276	9	92	2,006	5,191	173
Total Imports	**6,114**	**255**	**0**	**0**	**1,424**	**106**	**0**	**98**	**276**	**9**	**92**	**2,261**	**8,375**	**279**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	988	345	1,065	0	0	0	0	0	1,076	0	3,498	5,984	6,972	225
Iraq	17,569	0	0	0	0	0	0	0	0	0	0	0	17,569	567
Saudi Arabia	24,786	3,459	3,642	0	839	371	0	264	0	0	0	8,575	33,361	1,076
United Arab Emirates	1,082	0	250	0	0	0	0	0	0	0	0	250	1,332	43
Subtotal Arab OPEC	44,425	3,804	4,957	0	839	371	0	264	1,076	0	3,498	14,809	59,234	1,911
Other OPEC														
Ecuador	359	0	0	0	0	0	0	0	361	0	0	361	720	23
Indonesia	6,709	0	0	0	0	0	0	0	0	0	0	0	6,709	216
Nigeria	22,037	0	0	0	0	0	0	0	125	0	0	125	22,162	715
Venezuela	13,642	0	928	0	2,120	728	0	3,314	877	4	831	8,802	22,444	724
Subtotal Other OPEC	42,747	0	928	0	2,120	728	0	3,314	1,363	4	831	9,288	52,035	1,679
Other														
Angola	8,007	0	0	0	0	0	0	0	0	0	0	0	8,007	258
Argentina	368	0	0	18	0	0	0	0	0	10	84	112	480	15
Australia	1,649	0	0	0	0	0	0	0	233	0	0	233	1,882	61
Bahama Islands	0	0	0	0	0	0	0	0	453	0	0	453	453	15
Belgium	0	0	165	0	0	0	0	0	316	0	0	481	481	16
Benin	313	0	0	0	0	0	0	0	0	0	0	0	313	10
Brazil	0	48	0	0	2,679	0	0	0	631	0	16	3,374	3,374	109
Cameroon	1,602	0	0	0	0	0	0	0	365	0	0	365	1,967	63
Canada	21,340	2,546	399	0	1,770	226	13	2,148	1,144	127	425	8,799	30,139	972
China, People's Republic of	2,157	0	0	0	424	0	0	0	0	0	40	464	2,621	85
China, Taiwan	0	8	0	0	0	0	0	0	0	0	0	8	8	(s)
Colombia	2,303	0	0	0	0	0	0	0	963	0	0	963	3,266	105
Congo	510	0	0	0	0	0	0	0	0	0	0	0	510	16
Egypt	490	0	0	0	0	0	0	0	0	0	0	0	490	16
France	0	(s)	0	0	0	0	0	0	385	0	72	457	457	15
Germany, FD (W)	0	1	359	0	0	0	0	0	0	0	3	363	363	12
Greece	0	0	0	0	0	0	0	0	250	0	0	250	250	8
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	1,150	0	0	0	0	0	0	0	651	1,801	1,801	58
Israel	0	0	0	0	0	0	0	0	0	13	0	13	13	(s)
Italy	0	0	550	0	498	214	0	226	0	0	31	1,519	1,519	49
Japan	0	(s)	0	0	0	0	0	0	0	0	45	45	45	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	37	38	38	1
Malaysia	619	0	0	0	0	0	0	0	0	0	0	0	619	20
Mexico	20,296	812	0	283	97	367	0	0	523	0	38	2,120	22,416	723
Netherlands Antilles	0	0	0	0	482	0	0	0	598	0	0	1,080	1,080	35
Netherlands	0	2	668	0	2,507	0	0	0	0	62	25	3,264	3,264	105
Norway	1,927	0	0	0	0	0	0	0	212	0	0	212	2,139	69
Oman	299	0	149	0	0	0	0	0	0	0	0	149	448	14
Panama	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Peru	753	0	0	0	0	0	0	0	330	0	0	330	1,083	35
Portugal	0	0	0	0	151	0	0	0	0	0	0	151	151	5
Puerto Rico	0	0	194	0	0	0	0	0	0	0	501	695	695	22
Romania	0	0	0	1,591	0	0	0	0	0	0	0	1,591	1,591	51

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Singapore	0	0	64	0	0	0	0	0	660	0	0	724	724	23
South Africa	0	0	0	0	0	0	0	0	0	0	14	14	14	(s)
Spain	0	0	440	0	837	199	0	0	847	0	56	2,379	2,379	77
Sweden	0	0	146	0	0	0	0	0	328	0	105	579	579	19
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Thailand	479	0	0	0	0	0	0	0	0	0	0	0	479	15
Trinidad and Tobago	1,850	0	0	0	0	202	0	233	681	0	0	1,116	2,966	96
Turkey	0	0	695	0	0	0	0	0	0	0	0	695	695	22
United Kingdom	4,863	(s)	0	0	817	36	0	51	832	0	45	1,781	6,644	214
U.S.S.R.	0	0	0	0	246	0	0	142	329	0	0	717	717	23
Virgin Islands	0	0	1,590	388	1,479	381	0	494	2,329	0	0	6,661	6,661	215
Zaire	1,103	0	0	0	0	0	0	0	0	0	0	0	1,103	36
Subtotal Other	70,928	3,419	6,569	2,280	11,987	1,625	13	3,294	12,419	212	2,189	44,007	114,935	3,708
Total Imports	**158,100**	**7,223**	**12,454**	**2,280**	**14,946**	**2,723**	**13**	**6,872**	**14,658**	**216**	**6,518**	**68,104**	**226,204**	**7,297**
	PAD District I													
Arab OPEC														
Algeria	0	0	1,065	0	0	0	0	0	1,076	0	0	2,141	2,141	69
Iraq	3,134	0	0	0	0	0	0	0	0	0	0	0	3,134	101
Saudi Arabia	1,332	740	0	0	522	371	0	264	0	0	0	1,897	3,229	104
Subtotal Arab OPEC	4,466	740	1,065	0	522	371	0	264	1,076	0	0	4,038	8,504	274
Other OPEC														
Ecuador	359	0	0	0	0	0	0	0	361	0	0	361	720	23
Indonesia	838	0	0	0	0	0	0	0	0	0	0	0	838	27
Nigeria	12,696	0	0	0	0	0	0	0	125	0	0	125	12,821	414
Venezuela	4,501	0	238	0	1,644	522	0	3,314	877	0	761	7,356	11,857	382
Subtotal Other OPEC	18,394	0	238	0	1,644	522	0	3,314	1,363	0	761	7,842	26,236	846
Other														
Angola	801	0	0	0	0	0	0	0	0	0	0	0	801	26
Argentina	368	0	0	18	0	0	0	0	0	0	0	18	386	12
Australia	747	0	0	0	0	0	0	0	0	0	0	0	747	24
Bahama Islands	0	0	0	0	0	0	0	0	453	0	0	453	453	15
Belgium	0	0	165	0	0	0	0	0	316	0	0	481	481	16
Brazil	0	0	0	0	2,415	0	0	0	631	0	16	3,062	3,062	99
Cameroon	0	0	0	0	0	0	0	0	365	0	0	365	365	12
Canada	2,257	300	5	0	1,287	128	13	1,514	965	11	229	4,453	6,710	216
China, People's Republic of	1,388	0	0	0	0	0	0	0	0	0	0	0	1,388	45
China, Taiwan	0	8	0	0	0	0	0	0	0	0	0	8	8	(s)
Colombia	481	0	0	0	0	0	0	0	963	0	0	963	1,444	47
Egypt	490	0	0	0	0	0	0	0	0	0	0	0	490	16
France	0	(s)	0	0	0	0	0	0	385	0	0	385	385	12
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	2	3	3	(s)
Greece	0	0	0	0	0	0	0	0	250	0	0	250	250	8

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other (continued)														
Hungary	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
India	0	0	291	0	0	0	0	0	0	0	0	291	291	9
Italy	0	0	0	0	498	0	0	226	0	0	0	724	724	23
Japan	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	2,006	0	0	0	0	46	0	0	0	0	0	46	2,052	66
Netherlands Antilles	0	0	0	0	234	0	0	0	598	0	0	832	832	27
Netherlands	0	0	668	0	2,163	0	0	0	0	62	0	2,893	2,893	93
Norway	980	0	0	0	0	0	0	0	212	0	0	212	1,192	38
Panama	0	0	0	0	0	0	0	0	10	0	0	10	10	(s)
Peru	0	0	0	0	0	0	0	0	330	0	0	330	330	11
Portugal	0	0	0	0	151	0	0	0	0	0	0	151	151	5
Puerto Rico	0	0	194	0	0	0	0	0	0	0	401	595	595	19
Romania	0	0	0	1,571	0	0	0	0	0	0	0	1,571	1,571	51
Singapore	0	0	0	0	0	0	0	0	402	0	0	402	402	13
South Africa	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Spain	0	0	0	0	837	0	0	0	846	0	56	1,739	1,739	56
Sweden	0	0	146	0	0	0	0	0	328	0	0	474	474	15
Switzerland	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Trinidad and Tobago	470	0	0	0	0	70	0	233	681	0	0	984	1,454	47
United Kingdom	2,116	(s)	0	0	817	36	0	51	832	0	45	1,781	3,897	126
U.S.S.R.	0	0	0	0	246	0	0	142	0	0	0	388	388	13
Virgin Islands	0	0	1,590	388	1,479	381	0	494	2,329	0	0	6,661	6,661	215
Zaire	649	0	0	0	0	0	0	0	0	0	0	0	649	21
Subtotal Other	12,753	310	3,059	1,977	10,127	661	13	2,660	10,896	73	761	30,536	43,289	1,396
Total Imports	**35,613**	**1,050**	**4,362**	**1,977**	**12,293**	**1,553**	**13**	**6,238**	**13,335**	**73**	**1,522**	**42,416**	**78,029**	**2,517**
	PAD District II													
Arab OPEC														
Algeria	430	0	0	0	0	0	0	0	0	0	0	0	430	14
Iraq	1,003	0	0	0	0	0	0	0	0	0	0	0	1,003	32
Saudi Arabia	6,193	0	0	0	0	0	0	0	0	0	0	0	6,193	200
Subtotal Arab OPEC	7,626	0	0	0	0	0	0	0	0	0	0	0	7,626	246
Other OPEC														
Nigeria	1,232	0	0	0	0	0	0	0	0	0	0	0	1,232	40
Subtotal Other OPEC	1,232	0	0	0	0	0	0	0	0	0	0	0	1,232	40
Other														
Canada	16,665	1,904	0	0	167	91	0	159	64	30	146	2,561	19,226	620
Mexico	957	0	0	0	0	231	0	0	0	0	0	231	1,188	38
Peru	753	0	0	0	0	0	0	0	0	0	0	0	753	24
South Africa	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Trinidad and Tobago	0	0	0	0	0	132	0	0	0	0	0	132	132	4
Subtotal Other	18,375	1,904	0	0	167	454	0	159	64	30	149	2,927	21,302	687

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District II (continued)													
Other (continued)														
Total Imports	**27,233**	**1,904**	**0**	**0**	**167**	**454**	**0**	**159**	**64**	**30**	**149**	**2,927**	**30,160**	**973**
	PAD District III													
Arab OPEC														
Algeria	558	345	0	0	0	0	0	0	0	0	3,498	3,843	4,401	142
Iraq	13,432	0	0	0	0	0	0	0	0	0	0	0	13,432	433
Saudi Arabia	17,261	2,718	3,642	0	0	0	0	0	0	0	0	6,360	23,621	762
United Arab Emirates	1,082	0	250	0	0	0	0	0	0	0	0	250	1,332	43
Subtotal Arab OPEC	32,333	3,064	3,892	0	0	0	0	0	0	0	3,498	10,454	42,787	1,380
Other OPEC														
Indonesia	3,148	0	0	0	0	0	0	0	0	0	0	0	3,148	102
Nigeria	8,109	0	0	0	0	0	0	0	0	0	0	0	8,109	262
Venezuela	9,141	0	690	0	476	0	0	0	0	4	0	1,170	10,311	333
Subtotal Other OPEC	20,398	0	690	0	476	0	0	0	0	4	0	1,170	21,568	696
Other														
Angola	7,206	0	0	0	0	0	0	0	0	0	0	0	7,206	232
Argentina	0	0	0	0	0	0	0	0	0	10	84	94	94	3
Australia	667	0	0	0	0	0	0	0	0	0	0	0	667	22
Benin	313	0	0	0	0	0	0	0	0	0	0	0	313	10
Brazil	0	48	0	0	264	0	0	0	0	0	0	312	312	10
Cameroon	1,602	0	0	0	0	0	0	0	0	0	0	0	1,602	52
Canada	0	(s)	394	0	0	0	0	299	0	74	7	774	774	25
China, People's Republic of	769	0	0	0	0	0	0	0	0	0	40	40	809	26
Colombia	1,822	0	0	0	0	0	0	0	0	0	0	0	1,822	59
Congo	510	0	0	0	0	0	0	0	0	0	0	0	510	16
France	0	0	0	0	0	0	0	0	0	0	72	72	72	2
Germany, FD (W)	0	0	359	0	0	0	0	0	0	0	1	360	360	12
India	0	0	859	0	0	0	0	0	0	0	651	1,510	1,510	49
Israel	0	0	0	0	0	0	0	0	0	13	0	13	13	(s)
Italy	0	0	550	0	0	0	0	0	0	0	31	581	581	19
Japan	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
Mexico	17,333	812	0	283	0	90	0	0	523	0	19	1,727	19,060	615
Netherlands Antilles	0	0	0	0	248	0	0	0	0	0	0	248	248	8
Netherlands	0	0	0	0	0	0	0	0	0	0	25	25	25	1
Norway	947	0	0	0	0	0	0	0	0	0	0	0	947	31
Oman	299	0	149	0	0	0	0	0	0	0	0	149	448	14
Puerto Rico	0	0	0	0	0	0	0	0	0	0	100	100	100	3
Romania	0	0	0	20	0	0	0	0	0	0	0	20	20	1
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Spain	0	0	440	0	0	0	0	0	1	0	0	441	441	14
Sweden	0	0	0	0	0	0	0	0	0	0	105	105	105	3
Trinidad and Tobago	1,380	0	0	0	0	0	0	0	0	0	0	0	1,380	45
Turkey	0	0	695	0	0	0	0	0	0	0	0	695	695	22

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] July 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III (continued)													
Other (continued)														
United Kingdom	2,747	0	0	0	0	0	0	0	0	0	0	0	2,747	89
U.S.S.R.	0	0	0	0	0	0	0	0	329	0	0	329	329	11
Zaire	454	0	0	0	0	0	0	0	0	0	0	0	454	15
Subtotal Other	36,049	861	3,446	303	512	90	0	299	853	97	1,144	7,605	43,654	1,408
Total Imports	**88,780**	**3,924**	**8,028**	**303**	**988**	**90**	**0**	**299**	**853**	**101**	**4,642**	**19,229**	**108,009**	**3,484**
	PAD District IV													
Other														
Canada	2,108	240	0	0	76	0	0	104	0	0	8	428	2,536	82
Subtotal Other	2,108	240	0	0	76	0	0	104	0	0	8	428	2,536	82
Total Imports	**2,108**	**240**	**0**	**0**	**76**	**0**	**0**	**104**	**0**	**0**	**8**	**428**	**2,536**	**82**
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	317	0	0	0	0	0	0	317	317	10
Subtotal Arab OPEC	0	0	0	0	317	0	0	0	0	0	0	317	317	10
Other OPEC														
Indonesia	2,723	0	0	0	0	0	0	0	0	0	0	0	2,723	88
Venezuela	0	0	0	0	0	206	0	0	0	0	70	276	276	9
Subtotal Other OPEC	2,723	0	0	0	0	206	0	0	0	0	70	276	2,999	97
Other														
Australia	235	0	0	0	0	0	0	0	233	0	0	233	468	15
Canada	310	102	0	0	240	7	0	72	115	12	35	583	893	29
China, People's Republic of	0	0	0	0	424	0	0	0	0	0	0	424	424	14
Italy	0	0	0	0	0	214	0	0	0	0	0	214	214	7
Japan	0	(s)	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic of	0	0	0	0	0	0	0	0	0	0	37	37	37	1
Malaysia	619	0	0	0	0	0	0	0	0	0	0	0	619	20
Mexico	0	0	0	0	97	0	0	0	0	0	19	116	116	4
Netherlands	0	2	0	0	344	0	0	0	0	0	0	346	346	11
Singapore	0	0	64	0	0	0	0	0	258	0	0	322	322	10
Spain	0	0	0	0	0	199	0	0	0	0	0	199	199	6
Thailand	479	0	0	0	0	0	0	0	0	0	0	0	479	15
Subtotal Other	1,643	105	64	0	1,105	420	0	72	606	12	127	2,511	4,154	134
Total Imports	**4,366**	**105**	**64**	**0**	**1,422**	**626**	**0**	**72**	**606**	**12**	**197**	**3,104**	**7,470**	**241**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,561	340	389	0	0	0	0	893	1,414	0	3,379	6,415	7,976	257
Iraq	13,620	0	0	0	0	0	0	0	0	0	0	0	13,620	439
Kuwait	4,857	425	0	0	0	0	0	0	0	0	0	425	5,282	170
Saudi Arabia	27,862	2,660	3,605	0	1,027	426	0	424	248	0	0	8,391	36,253	1,169
Subtotal Arab OPEC	47,900	3,426	3,994	0	1,027	426	0	1,317	1,662	0	3,379	15,231	63,131	2,036
Other OPEC														
Ecuador	1,114	0	0	0	0	0	0	0	180	0	0	180	1,294	42
Gabon	556	0	0	0	0	0	0	0	0	0	0	0	556	18
Indonesia	4,758	0	0	0	0	0	0	0	0	0	0	0	4,758	153
Nigeria	18,904	0	0	0	0	0	0	0	411	0	0	411	19,315	623
Venezuela	13,057	90	1,468	233	3,112	723	0	3,477	2,932	0	644	12,679	25,736	830
Subtotal Other OPEC	38,389	90	1,468	233	3,112	723	0	3,477	3,523	0	644	13,270	51,659	1,666
Other														
Angola	6,643	0	0	0	0	0	0	0	0	0	0	0	6,643	214
Argentina	0	0	0	0	0	0	0	0	0	61	0	61	61	2
Australia	2,050	0	0	0	0	0	0	0	0	0	0	0	2,050	66
Bahama Islands	0	0	0	0	0	0	0	0	362	0	0	362	362	12
Belgium	0	0	293	0	274	0	0	0	0	0	3	570	570	18
Brazil	0	87	0	23	2,773	0	0	0	316	25	36	3,260	3,260	105
Cameroon	3,028	0	0	0	0	0	0	0	333	0	0	333	3,361	108
Canada	21,946	3,227	403	0	1,236	223	19	1,346	1,949	152	777	9,332	31,278	1,009
China, People's Republic of	1,979	0	0	0	0	0	0	0	0	0	0	0	1,979	64
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	3	3	3	(s)
Colombia	1,559	0	0	0	0	0	0	0	891	0	0	891	2,450	79
Congo	2,204	0	0	0	0	0	0	0	165	0	0	165	2,369	76
Egypt	1,820	0	0	0	0	0	0	0	0	0	0	0	1,820	59
France	0	1	0	0	591	0	0	0	0	0	0	592	592	19
Germany, DR (E)	0	0	0	0	0	0	0	288	0	0	0	288	288	9
Germany, FD (W)	0	0	0	0	0	0	0	0	302	22	1	325	325	10
Greece	0	0	0	0	0	0	0	0	312	0	0	312	312	10
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	842	0	0	0	0	0	0	0	0	842	842	27
Israel	0	0	0	0	234	0	0	0	0	0	0	234	234	8
Italy	0	0	425	33	707	0	0	0	0	0	0	1,165	1,165	38
Japan	0	1	0	0	0	0	0	0	0	0	35	36	36	1
Korea, Republic of	0	0	0	0	0	248	0	0	0	0	0	248	248	8
Malaysia	559	0	0	0	0	0	0	0	0	0	0	0	559	18
Mexico	19,056	649	0	0	285	346	0	205	794	0	488	2,767	21,823	704
Netherlands Antilles	0	0	0	0	0	0	0	226	707	0	59	992	992	32
Netherlands	0	0	100	0	1,158	0	0	0	462	47	17	1,784	1,784	58
Norway	2,457	0	0	0	0	0	0	0	0	0	100	100	2,557	82
Peru	0	0	0	0	0	0	0	0	870	0	0	870	870	28
Portugal	0	0	0	0	221	0	0	0	236	0	0	457	457	15
Puerto Rico	0	0	325	0	0	0	0	0	0	0	394	719	719	23
Romania	0	0	0	1,189	873	0	0	416	330	0	0	2,808	2,808	91
Singapore	0	0	0	0	0	644	0	0	193	0	0	837	837	27

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
South Africa	0	0	0	0	0	0	0	0	0	0	17	17	17	1
Spain	0	0	0	0	1,564	236	0	219	798	0	199	3,016	3,016	97
Sweden	0	0	0	0	0	0	0	0	314	0	0	314	314	10
Syria	0	0	538	0	0	0	0	0	0	0	0	538	538	17
Thailand	446	0	0	0	0	0	0	0	0	0	0	0	446	14
Trinidad and Tobago	2,438	0	0	0	149	0	0	85	326	0	3	563	3,001	97
Turkey	0	0	0	0	0	0	0	0	0	0	52	52	52	2
United Kingdom	1,646	2	0	0	712	0	0	0	1,065	0	13	1,792	3,438	111
U.S.S.R.	0	0	0	0	0	0	0	0	717	0	0	717	717	23
Virgin Islands	0	0	1,750	169	393	346	216	1,069	1,385	0	0	5,328	5,328	172
Yemen (Sanaa)	2,320	0	0	0	0	0	0	0	0	0	0	0	2,320	75
Zaire	1,106	0	0	0	0	0	0	0	0	0	0	0	1,106	36
Subtotal Other	71,477	3,967	4,676	1,414	11,170	2,043	235	3,854	12,827	307	2,197	42,690	114,167	3,683
Total Imports	**157,766**	**7,483**	**10,138**	**1,647**	**15,309**	**3,192**	**235**	**8,648**	**18,012**	**307**	**6,220**	**71,191**	**228,957**	**7,386**
	PAD District I													
Arab OPEC														
Algeria	0	0	389	0	0	0	0	893	1,414	0	0	2,696	2,696	87
Iraq	897	0	0	0	0	0	0	0	0	0	0	0	897	29
Saudi Arabia	4,843	397	0	0	1,027	354	0	424	0	0	0	2,203	7,046	227
Subtotal Arab OPEC	5,740	397	389	0	1,027	354	0	1,317	1,414	0	0	4,899	10,639	343
Other OPEC														
Ecuador	777	0	0	0	0	0	0	0	180	0	0	180	957	31
Gabon	556	0	0	0	0	0	0	0	0	0	0	0	556	18
Nigeria	9,490	0	0	0	0	0	0	0	411	0	0	411	9,901	319
Venezuela	3,191	0	349	0	2,856	522	0	3,477	2,932	0	636	10,772	13,963	450
Subtotal Other OPEC	14,014	0	349	0	2,856	522	0	3,477	3,523	0	636	11,363	25,377	819
Other														
Angola	2,736	0	0	0	0	0	0	0	0	0	0	0	2,736	88
Argentina	0	0	0	0	0	0	0	0	0	8	0	8	8	(s)
Bahama Islands	0	0	0	0	0	0	0	0	362	0	0	362	362	12
Belgium	0	0	293	0	274	0	0	0	0	0	0	567	567	18
Brazil	0	0	0	0	2,236	0	0	0	316	0	29	2,581	2,581	83
Cameroon	2,362	0	0	0	0	0	0	0	333	0	0	333	2,695	87
Canada	2,951	295	4	0	860	118	19	982	1,490	5	489	4,262	7,213	233
Colombia	0	0	0	0	0	0	0	0	891	0	0	891	891	29
Congo	319	0	0	0	0	0	0	0	165	0	0	165	484	16
Egypt	1,128	0	0	0	0	0	0	0	0	0	0	0	1,128	36
France	0	1	0	0	591	0	0	0	0	0	0	592	592	19
Germany, DR (E)	0	0	0	0	0	0	0	288	0	0	0	288	288	9
Germany, FD (W)	0	0	0	0	0	0	0	0	302	22	1	325	325	10
Greece	0	0	0	0	0	0	0	0	312	0	0	312	312	10
Israel	0	0	0	0	234	0	0	0	0	0	0	234	234	8
Italy	0	0	0	33	707	0	0	0	0	0	0	740	740	24

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Japan	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Mexico	3,666	0	0	0	0	113	0	205	309	0	407	1,034	4,700	152
Netherlands Antilles	0	0	0	0	0	0	0	226	707	0	0	933	933	30
Netherlands	0	0	0	0	1,158	0	0	0	462	47	6	1,673	1,673	54
Norway	1,523	0	0	0	0	0	0	0	0	0	100	100	1,623	52
Peru	0	0	0	0	0	0	0	0	870	0	0	870	870	28
Portugal	0	0	0	0	221	0	0	0	236	0	0	457	457	15
Puerto Rico	0	0	325	0	0	0	0	0	0	0	336	661	661	21
Romania	0	0	0	1,174	873	0	0	416	330	0	0	2,793	2,793	90
South Africa	0	0	0	0	0	0	0	0	0	0	12	12	12	(s)
Spain	0	0	0	0	1,564	236	0	219	798	0	141	2,958	2,958	95
Sweden	0	0	0	0	0	0	0	0	314	0	0	314	314	10
Syria	0	0	538	0	0	0	0	0	0	0	0	538	538	17
Trinidad and Tobago	501	0	0	0	149	0	0	85	326	0	3	563	1,064	34
United Kingdom	1,048	0	0	0	712	0	0	0	1,065	0	0	1,777	2,825	91
Virgin Islands	0	0	1,750	169	393	117	216	1,069	1,385	0	0	5,099	5,099	164
Yemen (Sanaa)	1,743	0	0	0	0	0	0	0	0	0	0	0	1,743	56
Zaire	643	0	0	0	0	0	0	0	0	0	0	0	643	21
Subtotal Other	18,620	296	2,910	1,376	9,972	583	235	3,490	10,973	82	1,533	31,450	50,070	1,615
Total Imports	**38,374**	**693**	**3,648**	**1,376**	**13,855**	**1,460**	**235**	**8,284**	**15,910**	**82**	**2,169**	**47,712**	**86,086**	**2,777**
							PAD District II							
Arab OPEC														
Algeria	310	0	0	0	0	0	0	0	0	0	0	0	310	10
Iraq	992	0	0	0	0	0	0	0	0	0	0	0	992	32
Saudi Arabia	2,810	0	0	0	0	0	0	0	0	0	0	0	2,810	91
Subtotal Arab OPEC	4,112	0	0	0	0	0	0	0	0	0	0	0	4,112	133
Other OPEC														
Nigeria	901	0	0	0	0	0	0	0	0	0	0	0	901	29
Venezuela	0	0	0	0	0	201	0	0	0	0	0	201	201	6
Subtotal Other OPEC	901	0	0	0	0	201	0	0	0	0	0	201	1,102	36
Other														
Canada	16,738	2,509	0	0	153	101	0	189	380	60	193	3,585	20,323	656
Mexico	2,237	0	0	0	0	0	0	0	0	0	0	0	2,237	72
South Africa	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Spain	0	0	0	0	0	0	0	0	0	0	58	58	58	2
United Kingdom	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Subtotal Other	18,975	2,512	0	0	153	101	0	189	380	60	255	3,650	22,625	730
Total Imports	**23,988**	**2,512**	**0**	**0**	**153**	**302**	**0**	**189**	**380**	**60**	**255**	**3,850**	**27,838**	**898**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	1,251	340	0	0	0	0	0	0	0	0	3,379	3,719	4,970	160
Iraq	11,731	0	0	0	0	0	0	0	0	0	0	0	11,731	378
Kuwait	4,857	425	0	0	0	0	0	0	0	0	0	425	5,282	170
Saudi Arabia	20,209	2,263	3,605	0	0	0	0	0	248	0	0	6,116	26,325	849
Subtotal Arab OPEC	38,048	3,029	3,605	0	0	0	0	0	248	0	3,379	10,261	48,309	1,558
Other OPEC														
Ecuador	337	0	0	0	0	0	0	0	0	0	0	0	337	11
Indonesia	1,356	0	0	0	0	0	0	0	0	0	0	0	1,356	44
Nigeria	8,513	0	0	0	0	0	0	0	0	0	0	0	8,513	275
Venezuela	9,866	90	1,119	233	0	0	0	0	0	0	8	1,450	11,316	365
Subtotal Other OPEC	20,072	90	1,119	233	0	0	0	0	0	0	8	1,450	21,522	694
Other														
Angola	3,907	0	0	0	0	0	0	0	0	0	0	0	3,907	126
Argentina	0	0	0	0	0	0	0	0	0	53	0	53	53	2
Belgium	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Brazil	0	87	0	23	0	0	0	0	0	25	7	142	142	5
Cameroon	666	0	0	0	0	0	0	0	0	0	0	0	666	21
Canada	0	0	399	0	0	0	0	0	0	75	8	482	482	16
China, People's Republic of	1,575	0	0	0	0	0	0	0	0	0	0	0	1,575	51
Colombia	1,559	0	0	0	0	0	0	0	0	0	0	0	1,559	50
Congo	1,885	0	0	0	0	0	0	0	0	0	0	0	1,885	61
Egypt	692	0	0	0	0	0	0	0	0	0	0	0	692	22
Guatemala	220	0	0	0	0	0	0	0	0	0	0	0	220	7
India	0	0	842	0	0	0	0	0	0	0	0	842	842	27
Italy	0	0	425	0	0	0	0	0	0	0	0	425	425	14
Japan	0	0	0	0	0	0	0	0	0	0	26	26	26	1
Mexico	13,153	649	0	0	101	145	0	0	485	0	30	1,410	14,563	470
Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	59	59	59	2
Netherlands	0	0	100	0	0	0	0	0	0	0	11	111	111	4
Norway	934	0	0	0	0	0	0	0	0	0	0	0	934	30
Puerto Rico	0	0	0	0	0	0	0	0	0	0	58	58	58	2
Romania	0	0	0	15	0	0	0	0	0	0	0	15	15	(s)
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Trinidad and Tobago	1,937	0	0	0	0	0	0	0	0	0	0	0	1,937	62
Turkey	0	0	0	0	0	0	0	0	0	0	52	52	52	2
United Kingdom	598	0	0	0	0	0	0	0	0	0	13	13	611	20
U.S.S.R.	0	0	0	0	0	0	0	0	717	0	0	717	717	23
Virgin Islands	0	0	0	0	0	229	0	0	0	0	0	229	229	7
Yemen (Sanaa)	577	0	0	0	0	0	0	0	0	0	0	0	577	19
Zaire	463	0	0	0	0	0	0	0	0	0	0	0	463	15
Subtotal Other	28,166	736	1,766	38	101	374	0	0	1,202	153	268	4,638	32,804	1,058
Total Imports	**86,286**	**3,855**	**6,490**	**271**	**101**	**374**	**0**	**0**	**1,450**	**153**	**3,655**	**16,349**	**102,635**	**3,311**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] August 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District IV							
Other														
Canada	2,121	252	0	0	72	0	0	109	1	0	56	490	2,611	84
Subtotal Other	2,121	252	0	0	72	0	0	109	1	0	56	490	2,611	84
Total Imports	**2,121**	**252**	**0**	**0**	**72**	**0**	**0**	**109**	**1**	**0**	**56**	**490**	**2,611**	**84**
							PAD District V							
Arab OPEC														
Saudi Arabia	0	0	0	0	0	72	0	0	0	0	0	72	72	2
Subtotal Arab OPEC	0	0	0	0	0	72	0	0	0	0	0	72	72	2
Other OPEC														
Indonesia	3,402	0	0	0	0	0	0	0	0	0	0	0	3,402	110
Venezuela	0	0	0	0	256	0	0	0	0	0	0	256	256	8
Subtotal Other OPEC	3,402	0	0	0	256	0	0	0	0	0	0	256	3,658	118
Other														
Australia	2,050	0	0	0	0	0	0	0	0	0	0	0	2,050	66
Brazil	0	0	0	0	537	0	0	0	0	0	0	537	537	17
Canada	136	171	0	0	151	4	0	66	78	12	31	513	649	21
China, People's Republic of	404	0	0	0	0	0	0	0	0	0	0	0	404	13
China, Taiwan	0	(s)	0	0	0	0	0	0	0	0	3	3	3	(s)
Japan	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Korea, Republic of	0	0	0	0	0	248	0	0	0	0	0	248	248	8
Malaysia	559	0	0	0	0	0	0	0	0	0	0	0	559	18
Mexico	0	0	0	0	184	88	0	0	0	0	51	323	323	10
Singapore	0	0	0	0	0	644	0	0	193	0	0	837	837	27
Thailand	446	0	0	0	0	0	0	0	0	0	0	0	446	14
Subtotal Other	3,595	172	0	0	872	984	0	66	271	12	85	2,463	6,058	195
Total Imports	**6,997**	**172**	**0**	**0**	**1,128**	**1,056**	**0**	**66**	**271**	**12**	**85**	**2,791**	**9,788**	**316**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,973	424	695	0	0	0	0	690	1,682	0	3,205	6,696	8,669	289
Iraq	14,370	0	400	0	0	0	0	0	0	0	0	400	14,770	492
Kuwait	4,820	364	0	0	0	0	0	0	0	0	0	364	5,184	173
Saudi Arabia	27,649	398	2,404	0	792	325	0	419	0	0	0	4,337	31,986	1,066
United Arab Emirates	658	0	0	0	0	0	0	0	0	0	0	0	658	22
Subtotal Arab OPEC	49,470	1,186	3,499	0	792	325	0	1,109	1,682	0	3,205	11,797	61,267	2,042
Other OPEC														
Ecuador	771	0	0	0	0	0	0	0	181	0	0	181	952	32
Indonesia	6,027	0	0	0	0	0	0	0	916	0	310	1,226	7,253	242
Nigeria	15,960	0	0	0	0	0	0	0	405	0	0	405	16,365	546
Venezuela	12,742	(s)	1,655	239	3,091	763	0	3,684	1,758	0	790	11,980	24,722	824
Subtotal Other OPEC	35,500	(s)	1,655	239	3,091	763	0	3,684	3,260	0	1,100	13,792	49,292	1,643
Other														
Angola	7,109	0	0	0	0	0	0	0	356	0	0	356	7,465	249
Argentina	0	0	0	0	192	0	0	0	0	0	0	192	192	6
Australia	2,325	0	0	0	0	0	0	0	226	0	0	226	2,551	85
Bahama Islands	0	0	0	0	0	0	0	0	1,121	0	0	1,121	1,121	37
Belgium	0	0	699	0	0	0	0	0	411	0	10	1,120	1,120	37
Brazil	0	0	0	0	2,783	0	0	0	0	27	1	2,811	2,811	94
Cameroon	417	0	0	0	0	0	0	0	332	0	0	332	749	25
Canada	18,773	3,639	27	0	1,480	306	15	2,308	1,116	49	363	9,303	28,076	936
China, People's Republic of	1,906	0	0	0	339	0	0	158	0	0	36	533	2,439	81
China, Taiwan	0	1	0	0	0	0	0	0	0	0	13	14	14	(s)
Colombia	3,762	0	0	0	0	0	0	0	763	0	0	763	4,525	151
Congo	1,557	0	0	0	0	0	0	0	166	0	0	166	1,723	57
Egypt	491	0	0	0	0	0	0	0	293	0	1	294	785	26
France	0	0	0	0	816	0	0	0	280	0	9	1,105	1,105	37
Germany, FD (W)	0	3	0	0	0	0	0	0	525	0	2	530	530	18
Greece	0	0	0	0	0	0	0	0	330	0	0	330	330	11
India	100	0	0	0	0	0	0	0	0	0	174	174	274	9
Ireland	0	0	0	0	0	0	0	0	203	0	0	203	203	7
Italy	0	0	585	0	604	0	0	0	299	0	37	1,525	1,525	51
Japan	0	0	0	0	0	0	0	0	0	0	45	45	45	2
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	36	37	37	1
Malaysia	274	0	0	0	0	0	0	67	0	0	0	67	341	11
Mexico	22,389	1,003	0	0	101	147	0	299	1,313	0	43	2,905	25,294	843
Netherlands Antilles	0	0	0	0	341	0	0	0	320	0	84	745	745	25
Netherlands	0	1	0	0	247	0	0	0	0	0	76	324	324	11
Norway	2,560	0	0	0	0	0	0	0	350	0	118	468	3,028	101
Peru	0	0	0	0	0	0	0	0	532	0	0	532	532	18
Portugal	0	0	0	22	224	0	0	0	0	0	25	271	271	9
Puerto Rico	0	0	130	0	0	0	0	0	0	0	739	869	869	29
Romania	0	0	0	664	209	0	0	0	637	0	0	1,510	1,510	50
Singapore	0	0	0	13	0	0	0	0	1,628	0	0	1,641	1,641	55
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
Spain	0	0	1,021	0	1,271	0	0	0	341	0	140	2,773	2,773	92

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Sweden	0	0	0	0	0	0	0	0	257	0	0	257	257	9
Syria	532	0	0	0	0	0	0	0	0	0	0	0	532	18
Thailand	535	0	0	0	0	0	0	0	0	0	0	0	535	18
Trinidad and Tobago	2,418	0	0	0	40	0	0	97	313	0	3	453	2,871	96
Turkey	0	0	360	0	0	0	0	0	230	0	27	617	617	21
United Kingdom	3,616	1	0	0	0	0	0	0	781	0	76	858	4,474	149
U.S.S.R.	0	0	0	0	0	0	0	252	409	0	0	661	661	22
Virgin Islands	0	0	1,387	567	767	296	376	1,230	2,463	0	0	7,086	7,086	236
Yemen (Sanaa)	2,102	0	0	0	0	0	0	0	0	0	0	0	2,102	70
Zaire	519	0	0	0	0	0	0	0	0	0	0	0	519	17
Subtotal Other	71,385	4,648	4,209	1,266	9,414	748	391	4,411	15,995	76	2,066	43,224	114,609	3,820
Total Imports	**156,355**	**5,834**	**9,363**	**1,505**	**13,297**	**1,836**	**391**	**9,204**	**20,937**	**76**	**6,371**	**68,814**	**225,169**	**7,506**
	PAD District I													
Arab OPEC														
Algeria	0	0	695	0	0	0	0	690	1,682	0	0	3,067	3,067	102
Iraq	597	0	0	0	0	0	0	0	0	0	0	0	597	20
Saudi Arabia	7,216	398	0	0	792	104	0	419	0	0	0	1,713	8,929	298
United Arab Emirates	658	0	0	0	0	0	0	0	0	0	0	0	658	22
Subtotal Arab OPEC	8,471	398	695	0	792	104	0	1,109	1,682	0	0	4,780	13,251	442
Other OPEC														
Ecuador	380	0	0	0	0	0	0	0	181	0	0	181	561	19
Indonesia	0	0	0	0	0	0	0	0	607	0	0	607	607	20
Nigeria	8,466	0	0	0	0	0	0	0	405	0	0	405	8,871	296
Venezuela	4,022	(s)	340	0	2,612	763	0	3,684	1,758	0	544	9,701	13,723	457
Subtotal Other OPEC	12,868	(s)	340	0	2,612	763	0	3,684	2,951	0	544	10,894	23,762	792
Other														
Angola	3,650	0	0	0	0	0	0	0	356	0	0	356	4,006	134
Argentina	0	0	0	0	192	0	0	0	0	0	0	192	192	6
Bahama Islands	0	0	0	0	0	0	0	0	1,121	0	0	1,121	1,121	37
Belgium	0	0	573	0	0	0	0	0	411	0	0	984	984	33
Brazil	0	0	0	0	2,543	0	0	0	0	0	1	2,544	2,544	85
Cameroon	0	0	0	0	0	0	0	0	332	0	0	332	332	11
Canada	2,038	397	4	0	1,138	219	15	1,846	1,055	2	245	4,920	6,958	232
China, People's Republic of	744	0	0	0	0	0	0	0	0	0	0	0	744	25
Colombia	450	0	0	0	0	0	0	0	763	0	0	763	1,213	40
Congo	816	0	0	0	0	0	0	0	166	0	0	166	982	33
Egypt	0	0	0	0	0	0	0	0	293	0	1	294	294	10
France	0	0	0	0	459	0	0	0	280	0	9	748	748	25
Germany, FD (W)	0	2	0	0	0	0	0	0	525	0	2	529	529	18
Greece	0	0	0	0	0	0	0	0	330	0	0	330	330	11
Ireland	0	0	0	0	0	0	0	0	203	0	0	203	203	7
Italy	0	0	463	0	604	0	0	0	299	0	0	1,366	1,366	46

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Japan	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Korea, Republic of	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Malaysia	0	0	0	0	0	0	0	67	0	0	0	67	67	2
Mexico	2,608	0	0	0	0	61	0	199	782	0	0	1,042	3,650	122
Netherlands Antilles	0	0	0	0	233	0	0	0	320	0	84	637	637	21
Netherlands	0	1	0	0	247	0	0	0	0	0	8	256	256	9
Norway	2,560	0	0	0	0	0	0	0	350	0	118	468	3,028	101
Peru	0	0	0	0	0	0	0	0	532	0	0	532	532	18
Puerto Rico	0	0	130	0	0	0	0	0	0	0	642	772	772	26
Romania	0	0	0	633	209	0	0	0	324	0	0	1,166	1,166	39
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Spain	0	0	437	0	1,271	0	0	0	341	0	140	2,189	2,189	73
Sweden	0	0	0	0	0	0	0	0	257	0	0	257	257	9
Syria	532	0	0	0	0	0	0	0	0	0	0	0	532	18
Trinidad and Tobago	459	0	0	0	40	0	0	97	313	0	3	453	912	30
Turkey	0	0	0	0	0	0	0	0	230	0	0	230	230	8
United Kingdom	1,030	1	0	0	0	0	0	0	781	0	0	782	1,812	60
U.S.S.R.	0	0	0	0	0	0	0	252	0	0	0	252	252	8
Virgin Islands	0	0	1,387	567	767	296	149	1,230	2,463	0	0	6,859	6,859	229
Zaire	349	0	0	0	0	0	0	0	0	0	0	0	349	12
Subtotal Other	15,236	400	2,994	1,200	7,703	576	164	3,691	12,827	2	1,260	30,817	46,053	1,535
Total Imports	**36,575**	**798**	**4,029**	**1,200**	**11,107**	**1,443**	**164**	**8,484**	**17,460**	**2**	**1,804**	**46,491**	**83,066**	**2,769**
							PAD District II							
Arab OPEC														
Algeria	550	0	0	0	0	0	0	0	0	0	0	0	550	18
Saudi Arabia	4,648	0	0	0	0	0	0	0	0	0	0	0	4,648	155
Subtotal Arab OPEC	5,198	0	0	0	0	0	0	0	0	0	0	0	5,198	173
Other OPEC														
Ecuador	391	0	0	0	0	0	0	0	0	0	0	0	391	13
Nigeria	2,365	0	0	0	0	0	0	0	0	0	0	0	2,365	79
Subtotal Other OPEC	2,756	0	0	0	0	0	0	0	0	0	0	0	2,756	92
Other														
Cameroon	417	0	0	0	0	0	0	0	0	0	0	0	417	14
Canada	14,329	2,698	0	0	121	76	0	155	26	33	99	3,208	17,537	585
Egypt	491	0	0	0	0	0	0	0	0	0	0	0	491	16
Mexico	0	0	0	0	0	84	0	0	0	0	0	84	84	3
South Africa	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Yemen (Sanaa)	2,102	0	0	0	0	0	0	0	0	0	0	0	2,102	70
Subtotal Other	17,339	2,698	0	0	121	160	0	155	26	33	101	3,293	20,632	688
Total Imports	**25,293**	**2,698**	**0**	**0**	**121**	**160**	**0**	**155**	**26**	**33**	**101**	**3,293**	**28,586**	**953**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
PAD District III														
Arab OPEC														
Algeria	1,423	424	0	0	0	0	0	0	0	0	3,205	3,629	5,052	168
Iraq	13,773	0	400	0	0	0	0	0	0	0	0	400	14,173	472
Kuwait	4,820	364	0	0	0	0	0	0	0	0	0	364	5,184	173
Saudi Arabia	15,785	0	2,404	0	0	0	0	0	0	0	0	2,404	18,189	606
Subtotal Arab OPEC	35,801	788	2,804	0	0	0	0	0	0	0	3,205	6,797	42,598	1,420
Other OPEC														
Indonesia	2,471	0	0	0	0	0	0	0	0	0	0	0	2,471	82
Nigeria	5,129	0	0	0	0	0	0	0	0	0	0	0	5,129	171
Venezuela	8,720	0	1,315	239	240	0	0	0	0	0	246	2,040	10,760	359
Subtotal Other OPEC	16,320	0	1,315	239	240	0	0	0	0	0	246	2,040	18,360	612
Other														
Angola	3,459	0	0	0	0	0	0	0	0	0	0	0	3,459	115
Australia	854	0	0	0	0	0	0	0	0	0	0	0	854	28
Belgium	0	0	126	0	0	0	0	0	0	0	10	136	136	5
Brazil	0	0	0	0	0	0	0	0	0	27	0	27	27	1
Canada	0	0	23	0	0	0	0	0	0	0	0	23	23	1
China, People's Republic of	741	0	0	0	0	0	0	0	0	0	36	36	777	26
Colombia	3,312	0	0	0	0	0	0	0	0	0	0	0	3,312	110
Congo	741	0	0	0	0	0	0	0	0	0	0	0	741	25
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
India	100	0	0	0	0	0	0	0	0	0	174	174	274	9
Italy	0	0	122	0	0	0	0	0	0	0	37	159	159	5
Japan	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
Mexico	19,781	1,003	0	0	101	2	0	0	531	0	29	1,666	21,447	715
Netherlands	0	0	0	0	0	0	0	0	0	0	68	68	68	2
Portugal	0	0	0	22	0	0	0	0	0	0	25	47	47	2
Puerto Rico	0	0	0	0	0	0	0	0	0	0	97	97	97	3
Romania	0	0	0	31	0	0	0	0	313	0	0	344	344	11
Spain	0	0	584	0	0	0	0	0	0	0	0	584	584	19
Trinidad and Tobago	1,959	0	0	0	0	0	0	0	0	0	0	0	1,959	65
Turkey	0	0	360	0	0	0	0	0	0	0	27	387	387	13
United Kingdom	2,586	0	0	0	0	0	0	0	0	0	76	76	2,662	89
U.S.S.R.	0	0	0	0	0	0	0	0	409	0	0	409	409	14
Virgin Islands	0	0	0	0	0	0	227	0	0	0	0	227	227	8
Zaire	170	0	0	0	0	0	0	0	0	0	0	0	170	6
Subtotal Other	33,703	1,004	1,215	53	101	2	227	0	1,253	27	586	4,468	38,171	1,272
Total Imports	**85,824**	**1,792**	**5,334**	**292**	**341**	**2**	**227**	**0**	**1,253**	**27**	**4,037**	**13,305**	**99,129**	**3,304**
PAD District IV														
Other														
Canada	2,213	290	0	0	36	0	0	91	1	0	1	419	2,632	88
Subtotal Other	2,213	290	0	0	36	0	0	91	1	0	1	419	2,632	88

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] September 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District IV (continued)													
Other (continued)														
Total Imports	**2,213**	**290**	**0**	**0**	**36**	**0**	**0**	**91**	**1**	**0**	**1**	**419**	**2,632**	**88**
	PAD District V													
Arab OPEC														
Saudi Arabia	0	0	0	0	0	221	0	0	0	0	0	221	221	7
Subtotal Arab OPEC	0	0	0	0	0	221	0	0	0	0	0	221	221	7
Other OPEC														
Indonesia	3,556	0	0	0	0	0	0	0	309	0	310	619	4,175	139
Venezuela	0	0	0	0	239	0	0	0	0	0	0	239	239	8
Subtotal Other OPEC	3,556	0	0	0	239	0	0	0	309	0	310	858	4,414	147
Other														
Australia	1,471	0	0	0	0	0	0	0	226	0	0	226	1,697	57
Brazil	0	0	0	0	240	0	0	0	0	0	0	240	240	8
Canada	193	255	0	0	185	11	0	216	34	14	18	733	926	31
China, People's Republic of	421	0	0	0	339	0	0	158	0	0	0	497	918	31
China, Taiwan	0	1	0	0	0	0	0	0	0	0	13	14	14	(s)
France	0	0	0	0	357	0	0	0	0	0	0	357	357	12
Japan	0	0	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	36	37	37	1
Malaysia	274	0	0	0	0	0	0	0	0	0	0	0	274	9
Mexico	0	0	0	0	0	0	0	100	0	0	14	114	114	4
Netherlands Antilles	0	0	0	0	108	0	0	0	0	0	0	108	108	4
Portugal	0	0	0	0	224	0	0	0	0	0	0	224	224	7
Singapore	0	0	0	13	0	0	0	0	1,628	0	0	1,641	1,641	55
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	535	0	0	0	0	0	0	0	0	0	0	0	535	18
Subtotal Other	2,894	257	0	13	1,453	11	0	474	1,888	14	118	4,228	7,122	237
Total Imports	**6,450**	**257**	**0**	**13**	**1,692**	**232**	**0**	**474**	**2,197**	**14**	**428**	**5,306**	**11,756**	**392**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,876	1,363	691	0	0	24	0	875	1,812	0	3,474	8,239	10,115	326
Iraq	14,807	0	123	0	0	0	0	0	0	0	0	123	14,930	482
Kuwait	0	0	0	0	0	45	0	0	0	0	0	45	45	1
Saudi Arabia	33,040	0	2,897	0	1,022	732	0	885	0	0	0	5,536	38,576	1,244
United Arab Emirates	0	482	0	0	0	0	0	0	0	0	0	482	482	16
Subtotal Arab OPEC	49,723	1,845	3,711	0	1,022	801	0	1,760	1,812	0	3,474	14,424	64,147	2,069
Other OPEC														
Ecuador	1,465	0	0	0	0	0	0	0	361	0	0	361	1,826	59
Gabon	0	0	0	0	0	0	0	0	323	0	0	323	323	10
Indonesia	6,317	0	0	0	0	0	0	0	1,894	0	0	1,894	8,211	265
Nigeria	20,572	0	0	0	0	0	0	0	681	0	0	681	21,253	686
Venezuela	11,982	289	1,503	475	1,636	979	0	3,845	2,312	0	918	11,957	23,939	772
Subtotal Other OPEC	40,336	289	1,503	475	1,636	979	0	3,845	5,571	0	918	15,216	55,552	1,792
Other														
Angola	7,859	0	0	0	0	0	0	0	73	0	0	73	7,932	256
Argentina	542	0	0	0	0	0	0	0	164	17	0	181	723	23
Australia	854	0	0	0	0	0	0	0	0	0	0	0	854	28
Bahama Islands	0	0	0	0	0	0	0	0	406	0	0	406	406	13
Belgium	0	0	245	0	0	0	0	0	0	0	0	245	245	8
Benin	370	0	0	0	0	0	0	0	0	0	0	0	370	12
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	28	3,063	0	0	216	617	0	1	3,925	3,925	127
Cameroon	0	0	0	0	0	0	0	0	333	0	0	333	333	11
Canada	20,264	3,856	292	15	1,835	298	32	2,457	1,014	177	635	10,621	30,885	996
China, People's Republic of	3,705	0	0	0	0	0	0	0	0	0	16	16	3,721	120
Colombia	4,098	0	0	0	0	0	0	186	681	0	0	867	4,965	160
Congo	0	0	0	0	0	0	0	0	331	0	0	331	331	11
Egypt	1,125	0	0	0	0	0	0	0	0	0	0	0	1,125	36
France	0	0	341	0	402	0	0	0	0	0	4	747	747	24
Germany, FD (W)	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Greece	0	0	0	0	0	251	0	0	305	0	0	556	556	18
Guatemala	219	0	0	0	0	0	0	0	0	0	0	0	219	7
India	0	0	493	0	0	0	0	0	0	0	323	816	816	26
Italy	305	0	855	0	678	37	0	0	0	4	0	1,574	1,879	61
Japan	0	0	0	0	0	0	0	0	0	22	1	23	23	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Malaysia	601	0	0	0	0	0	0	0	0	0	0	0	601	19
Mexico	20,781	695	0	0	101	833	0	0	382	0	253	2,264	23,045	743
Netherlands Antilles	0	0	105	0	0	0	0	216	215	0	0	536	536	17
Netherlands	0	2	713	0	493	0	0	0	0	0	19	1,227	1,227	40
Norway	4,426	0	0	0	0	0	0	0	0	0	0	0	4,426	143
Panama	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Peru	0	0	0	0	0	0	0	0	662	0	0	662	662	21
Portugal	0	0	0	0	0	0	0	0	175	0	0	175	175	6
Puerto Rico	0	0	104	0	0	0	0	0	0	0	543	647	647	21
Romania	0	0	0	554	0	0	0	0	0	0	0	554	554	18

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Singapore	0	0	0	0	0	508	0	0	1,301	0	0	1,809	1,809	58
South Africa	0	0	0	0	0	0	0	0	0	0	14	14	14	(s)
Spain	0	0	193	0	500	296	0	0	0	0	307	1,296	1,296	42
Sweden	0	0	0	0	0	0	0	0	329	0	0	329	329	11
Syria	897	0	0	0	0	0	0	0	0	0	0	0	897	29
Thailand	450	0	0	0	0	0	0	0	0	0	0	0	450	15
Trinidad and Tobago	1,906	0	0	0	70	0	0	128	941	0	0	1,139	3,045	98
Turkey	0	0	0	0	0	0	0	0	0	0	53	53	53	2
United Kingdom	12,148	0	0	0	247	0	0	0	1,474	0	0	1,721	13,869	447
U.S.S.R.	0	0	373	0	0	0	0	229	0	0	0	602	602	19
Virgin Islands	0	0	1,324	424	868	515	825	1,386	1,918	0	0	7,260	7,260	234
Yemen (Sanaa)	599	0	0	0	0	0	0	0	0	0	0	0	599	19
Zaire	872	0	0	0	0	0	0	0	0	0	0	0	872	28
Subtotal Other	82,021	4,566	5,039	1,021	8,257	2,738	857	4,818	11,321	220	2,171	41,008	123,029	3,969
Total Imports	**172,080**	**6,700**	**10,253**	**1,496**	**10,915**	**4,517**	**857**	**10,423**	**18,704**	**220**	**6,563**	**70,648**	**242,728**	**7,830**
	PAD District I													
Arab OPEC														
Algeria	0	283	691	0	0	24	0	875	1,713	0	0	3,586	3,586	116
Iraq	1,189	0	0	0	0	0	0	0	0	0	0	0	1,189	38
Saudi Arabia	7,919	0	0	0	406	511	0	885	0	0	0	1,802	9,721	314
Subtotal Arab OPEC	9,108	283	691	0	406	535	0	1,760	1,713	0	0	5,388	14,496	468
Other OPEC														
Ecuador	726	0	0	0	0	0	0	0	361	0	0	361	1,087	35
Gabon	0	0	0	0	0	0	0	0	323	0	0	323	323	10
Nigeria	8,589	0	0	0	0	0	0	0	681	0	0	681	9,270	299
Venezuela	2,766	0	358	238	1,636	846	0	3,845	2,312	0	665	9,900	12,666	409
Subtotal Other OPEC	12,081	0	358	238	1,636	846	0	3,845	3,677	0	665	11,265	23,346	753
Other														
Angola	4,533	0	0	0	0	0	0	0	73	0	0	73	4,606	149
Argentina	542	0	0	0	0	0	0	0	164	0	0	164	706	23
Bahama Islands	0	0	0	0	0	0	0	0	406	0	0	406	406	13
Benin	370	0	0	0	0	0	0	0	0	0	0	0	370	12
Brazil	0	0	0	0	3,063	0	0	216	617	0	1	3,897	3,897	126
Cameroon	0	0	0	0	0	0	0	0	333	0	0	333	333	11
Canada	2,161	521	3	15	1,480	209	32	2,063	767	4	144	5,238	7,399	239
China, People's Republic of	1,436	0	0	0	0	0	0	0	0	0	16	16	1,452	47
Colombia	508	0	0	0	0	0	0	186	681	0	0	867	1,375	44
Congo	0	0	0	0	0	0	0	0	331	0	0	331	331	11
Egypt	681	0	0	0	0	0	0	0	0	0	0	0	681	22
France	0	0	0	0	282	0	0	0	0	0	4	286	286	9
Germany, FD (W)	0	0	0	0	0	0	0	0	0	0	2	2	2	(s)
Greece	0	0	0	0	0	251	0	0	305	0	0	556	556	18

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District I (continued)													
Other (continued)														
Italy	305	0	855	0	678	37	0	0	0	4	0	1,574	1,879	61
Japan	0	0	0	0	0	0	0	0	0	4	1	5	5	(s)
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Mexico	2,012	0	0	0	0	178	0	0	183	0	241	602	2,614	84
Netherlands Antilles	0	0	0	0	0	0	0	216	215	0	0	431	431	14
Netherlands	0	0	713	0	493	0	0	0	0	0	0	1,206	1,206	39
Norway	2,656	0	0	0	0	0	0	0	0	0	0	0	2,656	86
Peru	0	0	0	0	0	0	0	0	662	0	0	662	662	21
Portugal	0	0	0	0	0	0	0	0	175	0	0	175	175	6
Puerto Rico	0	0	104	0	0	0	0	0	0	0	531	635	635	20
Romania	0	0	0	554	0	0	0	0	0	0	0	554	554	18
South Africa	0	0	0	0	0	0	0	0	0	0	5	5	5	(s)
Spain	0	0	0	0	500	296	0	0	0	0	307	1,103	1,103	36
Sweden	0	0	0	0	0	0	0	0	329	0	0	329	329	11
Syria	897	0	0	0	0	0	0	0	0	0	0	0	897	29
Trinidad and Tobago	490	0	0	0	70	0	0	128	941	0	0	1,139	1,629	53
United Kingdom	2,649	0	0	0	247	0	0	0	1,474	0	0	1,721	4,370	141
U.S.S.R.	0	0	0	0	0	0	0	229	0	0	0	229	229	7
Virgin Islands	0	0	1,324	424	868	515	495	1,386	1,918	0	0	6,930	6,930	224
Zaire	182	0	0	0	0	0	0	0	0	0	0	0	182	6
Subtotal Other	19,422	522	2,999	993	7,681	1,486	527	4,424	9,574	12	1,252	29,469	48,891	1,577
Total Imports	**40,611**	**805**	**4,048**	**1,231**	**9,723**	**2,867**	**527**	**10,029**	**14,964**	**12**	**1,917**	**46,123**	**86,734**	**2,798**
	PAD District II													
Arab OPEC														
Algeria	819	0	0	0	0	0	0	0	0	0	0	0	819	26
Iraq	2,576	0	0	0	0	0	0	0	0	0	0	0	2,576	83
Saudi Arabia	3,600	0	0	0	0	0	0	0	0	0	0	0	3,600	116
Subtotal Arab OPEC	6,995	0	0	0	0	0	0	0	0	0	0	0	6,995	226
Other OPEC														
Nigeria	6,128	0	0	0	0	0	0	0	0	0	0	0	6,128	198
Venezuela	0	0	0	0	0	132	0	0	0	0	0	132	132	4
Subtotal Other OPEC	6,128	0	0	0	0	132	0	0	0	0	0	132	6,260	202
Other														
Canada	16,533	2,636	0	0	211	83	0	230	247	35	130	3,572	20,105	649
Colombia	450	0	0	0	0	0	0	0	0	0	0	0	450	15
Egypt	444	0	0	0	0	0	0	0	0	0	0	0	444	14
Mexico	2,378	0	0	0	0	330	0	0	0	0	0	330	2,708	87
South Africa	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
United Kingdom	2,601	0	0	0	0	0	0	0	0	0	0	0	2,601	84
Zaire	165	0	0	0	0	0	0	0	0	0	0	0	165	5
Subtotal Other	22,571	2,636	0	0	211	413	0	230	247	35	138	3,910	26,481	854
Total Imports	**35,694**	**2,636**	**0**	**0**	**211**	**545**	**0**	**230**	**247**	**35**	**138**	**4,042**	**39,736**	**1,282**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	1,057	1,080	0	0	0	0	0	0	99	0	3,474	4,653	5,710	184
Iraq	11,042	0	123	0	0	0	0	0	0	0	0	123	11,165	360
Saudi Arabia	21,521	0	2,897	0	0	0	0	0	0	0	0	2,897	24,418	788
United Arab Emirates	0	482	0	0	0	0	0	0	0	0	0	482	482	16
Subtotal Arab OPEC	33,620	1,561	3,020	0	0	0	0	0	99	0	3,474	8,154	41,774	1,348
Other OPEC														
Ecuador	739	0	0	0	0	0	0	0	0	0	0	0	739	24
Indonesia	1,741	0	0	0	0	0	0	0	0	0	0	0	1,741	56
Nigeria	5,855	0	0	0	0	0	0	0	0	0	0	0	5,855	189
Venezuela	9,216	289	1,145	237	0	0	0	0	0	0	253	1,924	11,140	359
Subtotal Other OPEC	17,551	289	1,145	237	0	0	0	0	0	0	253	1,924	19,475	628
Other														
Angola	3,326	0	0	0	0	0	0	0	0	0	0	0	3,326	107
Argentina	0	0	0	0	0	0	0	0	0	17	0	17	17	1
Australia	854	0	0	0	0	0	0	0	0	0	0	0	854	28
Belgium	0	0	245	0	0	0	0	0	0	0	0	245	245	8
Bermuda	0	0	1	0	0	0	0	0	0	0	0	1	1	(s)
Brazil	0	0	0	28	0	0	0	0	0	0	0	28	28	1
Canada	0	0	288	0	0	0	0	0	0	129	271	688	688	22
China, People's Republic of	2,269	0	0	0	0	0	0	0	0	0	0	0	2,269	73
Colombia	3,140	0	0	0	0	0	0	0	0	0	0	0	3,140	101
France	0	0	341	0	0	0	0	0	0	0	0	341	341	11
Guatemala	219	0	0	0	0	0	0	0	0	0	0	0	219	7
India	0	0	493	0	0	0	0	0	0	0	323	816	816	26
Japan	0	0	0	0	0	0	0	0	0	18	0	18	18	1
Mexico	16,391	695	0	0	0	234	0	0	199	0	10	1,138	17,529	565
Netherlands Antilles	0	0	105	0	0	0	0	0	0	0	0	105	105	3
Netherlands	0	0	0	0	0	0	0	0	0	0	19	19	19	1
Norway	1,770	0	0	0	0	0	0	0	0	0	0	0	1,770	57
Panama	0	1	0	0	0	0	0	0	0	0	0	1	1	(s)
Puerto Rico	0	0	0	0	0	0	0	0	0	0	12	12	12	(s)
Spain	0	0	193	0	0	0	0	0	0	0	0	193	193	6
Trinidad and Tobago	1,416	0	0	0	0	0	0	0	0	0	0	0	1,416	46
Turkey	0	0	0	0	0	0	0	0	0	0	53	53	53	2
United Kingdom	6,898	0	0	0	0	0	0	0	0	0	0	0	6,898	223
U.S.S.R.	0	0	373	0	0	0	0	0	0	0	0	373	373	12
Virgin Islands	0	0	0	0	0	0	330	0	0	0	0	330	330	11
Yemen (Sanaa)	599	0	0	0	0	0	0	0	0	0	0	0	599	19
Zaire	525	0	0	0	0	0	0	0	0	0	0	0	525	17
Subtotal Other	37,407	696	2,039	28	0	234	330	0	199	164	688	4,378	41,785	1,348
Total Imports	**88,578**	**2,547**	**6,204**	**265**	**0**	**234**	**330**	**0**	**298**	**164**	**4,415**	**14,456**	**103,034**	**3,324**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] October 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District IV													
Other														
Canada	1,480	306	0	0	37	0	0	117	0	0	63	523	2,003	65
Subtotal Other	1,480	306	0	0	37	0	0	117	0	0	63	523	2,003	65
Total Imports	**1,480**	**306**	**0**	**0**	**37**	**0**	**0**	**117**	**0**	**0**	**63**	**523**	**2,003**	**65**
	PAD District V													
Arab OPEC														
Kuwait	0	0	0	0	0	45	0	0	0	0	0	45	45	1
Saudi Arabia	0	0	0	0	616	220	0	0	0	0	0	836	836	27
Subtotal Arab OPEC	0	0	0	0	616	265	0	0	0	0	0	881	881	28
Other OPEC														
Indonesia	4,576	0	0	0	0	0	0	0	1,894	0	0	1,894	6,470	209
Subtotal Other OPEC	4,576	0	0	0	0	0	0	0	1,894	0	0	1,894	6,470	209
Other														
Canada	90	404	1	0	107	6	0	47	0	9	27	601	691	22
France	0	0	0	0	120	0	0	0	0	0	0	120	120	4
Malaysia	601	0	0	0	0	0	0	0	0	0	0	0	601	19
Mexico	0	0	0	0	101	91	0	0	0	0	2	194	194	6
Netherlands	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Singapore	0	0	0	0	0	508	0	0	1,301	0	0	1,809	1,809	58
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Thailand	450	0	0	0	0	0	0	0	0	0	0	0	450	15
Subtotal Other	1,141	406	1	0	328	606	0	47	1,301	9	30	2,728	3,869	125
Total Imports	**5,717**	**406**	**1**	**0**	**944**	**871**	**0**	**47**	**3,195**	**9**	**30**	**5,503**	**11,220**	**362**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	1,157	1,398	379	0	0	0	0	716	2,533	0	3,471	8,497	9,654	322
Iraq	12,087	0	0	0	0	0	0	0	0	0	0	0	12,087	403
Kuwait	5,569	0	518	0	0	0	0	0	0	0	0	518	6,087	203
Saudi Arabia	25,495	0	2,828	0	324	434	0	227	274	0	0	4,087	29,582	986
Subtotal Arab OPEC	44,308	1,398	3,725	0	324	434	0	943	2,807	0	3,471	13,102	57,410	1,914
Other OPEC														
Ecuador	1,454	0	0	0	0	0	0	0	525	0	0	525	1,979	66
Gabon	674	0	0	0	0	0	0	0	0	0	0	0	674	22
Indonesia	6,809	0	0	0	0	0	0	0	385	0	0	385	7,194	240
Nigeria	14,515	0	0	0	0	0	0	0	156	0	0	156	14,671	489
Venezuela	11,093	93	2,158	711	1,119	472	0	3,021	4,148	0	559	12,281	23,374	779
Subtotal Other OPEC	34,545	93	2,158	711	1,119	472	0	3,021	5,214	0	559	13,347	47,892	1,596
Other														
Angola	5,716	0	0	0	0	0	0	0	630	0	0	630	6,346	212
Argentina	0	0	0	0	186	0	0	0	467	0	0	653	653	22
Australia	2,356	96	0	0	0	0	0	0	45	0	0	141	2,497	83
Bahama Islands	0	0	0	0	0	0	0	247	552	0	0	799	799	27
Belgium	0	0	596	0	0	0	0	0	295	0	13	904	904	30
Brazil	0	0	0	26	1,743	0	0	0	304	17	2	2,092	2,092	70
Cameroon	1,256	0	0	0	0	0	0	0	0	0	0	0	1,256	42
Canada	21,210	5,106	698	60	1,436	267	207	1,921	1,074	170	255	11,194	32,404	1,080
China, People's Republic of	1,620	0	0	0	0	0	0	0	0	0	0	0	1,620	54
Colombia	3,384	0	0	0	0	0	0	0	961	0	0	961	4,345	145
Egypt	1,295	0	0	0	0	0	0	0	0	0	0	0	1,295	43
France	0	41	298	0	487	0	0	0	243	0	0	1,069	1,069	36
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	3	4	4	(s)
Ghana	0	0	0	0	0	0	0	0	137	0	0	137	137	5
Greece	0	0	0	0	248	0	0	250	886	0	0	1,384	1,384	46
India	0	0	803	0	0	0	0	0	0	0	581	1,384	1,384	46
Israel	0	0	0	0	276	0	0	0	0	0	0	276	276	9
Italy	0	0	1,187	22	602	0	0	0	0	0	4	1,815	1,815	61
Japan	0	(s)	0	0	0	0	0	0	0	0	68	68	68	2
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	42	43	43	1
Malaysia	2,266	0	0	0	0	0	0	0	0	0	0	0	2,266	76
Malta	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	21,685	650	0	0	110	555	0	0	752	0	591	2,658	24,343	811
Netherlands Antilles	0	12	106	310	0	0	0	221	1,505	0	0	2,154	2,154	72
Netherlands	0	0	300	15	1,933	0	0	4	0	0	43	2,295	2,295	77
Norway	1,443	0	0	0	0	0	0	0	0	0	0	0	1,443	48
Oman	0	0	262	0	0	0	0	0	0	0	0	262	262	9
Peru	340	0	0	0	0	0	0	0	1,219	0	0	1,219	1,559	52
Portugal	0	0	0	0	0	0	0	0	198	0	0	198	198	7
Puerto Rico	0	0	36	0	0	0	0	0	0	0	416	452	452	15
Romania	0	0	0	548	601	0	0	258	0	0	0	1,407	1,407	47
Singapore	0	0	0	0	0	204	0	0	247	0	0	451	451	15
South Africa	0	0	0	0	0	0	0	0	0	0	17	17	17	1

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Spain	0	31	361	0	2,283	0	0	0	0	0	171	2,846	2,846	95
Sweden	0	0	0	0	0	0	0	0	970	0	0	970	970	32
Syria	357	0	0	0	0	0	0	0	158	0	0	158	515	17
Trinidad and Tobago	1,951	0	0	0	101	0	0	210	152	0	0	463	2,414	80
Turkey	0	0	0	0	0	0	0	0	0	0	68	68	68	2
United Kingdom	4,531	307	464	0	734	0	0	186	1,102	0	48	2,841	7,372	246
U.S.S.R.	0	0	800	0	0	0	0	323	1,182	0	0	2,305	2,305	77
Virgin Islands	0	0	1,393	215	1,357	431	494	2,233	2,443	0	0	8,566	8,566	286
Yemen (Sanaa)	2,575	0	0	0	0	0	0	0	0	0	0	0	2,575	86
Zaire	1,255	0	0	0	0	0	0	0	0	0	0	0	1,255	42
Subtotal Other	73,240	6,244	7,304	1,196	12,097	1,457	701	5,853	15,522	187	2,322	52,883	126,123	4,204
Total Imports	**152,093**	**7,735**	**13,187**	**1,907**	**13,540**	**2,363**	**701**	**9,817**	**23,543**	**187**	**6,352**	**79,332**	**231,425**	**7,714**
	PAD District I													
Arab OPEC														
Algeria	0	878	379	0	0	0	0	716	2,533	0	0	4,506	4,506	150
Iraq	594	0	0	0	0	0	0	0	0	0	0	0	594	20
Saudi Arabia	2,504	0	0	0	324	434	0	227	274	0	0	1,259	3,763	125
Subtotal Arab OPEC	3,098	878	379	0	324	434	0	943	2,807	0	0	5,765	8,863	295
Other OPEC														
Ecuador	386	0	0	0	0	0	0	0	525	0	0	525	911	30
Indonesia	787	0	0	0	0	0	0	0	0	0	0	0	787	26
Nigeria	6,944	0	0	0	0	0	0	0	156	0	0	156	7,100	237
Venezuela	1,554	93	537	477	1,119	472	0	3,021	4,148	0	559	10,426	11,980	399
Subtotal Other OPEC	9,671	93	537	477	1,119	472	0	3,021	4,829	0	559	11,107	20,778	693
Other														
Angola	3,764	0	0	0	0	0	0	0	630	0	0	630	4,394	146
Argentina	0	0	0	0	186	0	0	0	467	0	0	653	653	22
Bahama Islands	0	0	0	0	0	0	0	247	552	0	0	799	799	27
Belgium	0	0	259	0	0	0	0	0	295	0	0	554	554	18
Brazil	0	0	0	26	1,743	0	0	0	304	0	1	2,074	2,074	69
Cameroon	522	0	0	0	0	0	0	0	0	0	0	0	522	17
Canada	1,897	601	3	0	1,017	184	35	1,548	786	4	96	4,274	6,171	206
Colombia	0	0	0	0	0	0	0	0	961	0	0	961	961	32
Egypt	1,295	0	0	0	0	0	0	0	0	0	0	0	1,295	43
France	0	0	0	0	487	0	0	0	243	0	0	730	730	24
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	3	4	4	(s)
Ghana	0	0	0	0	0	0	0	0	137	0	0	137	137	5
Greece	0	0	0	0	248	0	0	250	886	0	0	1,384	1,384	46
Israel	0	0	0	0	276	0	0	0	0	0	0	276	276	9
Italy	0	0	427	22	602	0	0	0	0	0	4	1,055	1,055	35
Japan	0	0	0	0	0	0	0	0	0	0	4	4	4	(s)
Mexico	3,593	0	0	0	0	201	0	0	299	0	494	994	4,587	153
Netherlands Antilles	0	0	0	0	0	0	0	221	1,505	0	0	1,726	1,726	58

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District I (continued)							
Other (continued)														
Netherlands	0	0	300	15	1,933	0	0	0	0	0	9	2,257	2,257	75
Norway	1,443	0	0	0	0	0	0	0	0	0	0	0	1,443	48
Peru	340	0	0	0	0	0	0	0	1,219	0	0	1,219	1,559	52
Portugal	0	0	0	0	0	0	0	0	198	0	0	198	198	7
Puerto Rico	0	0	36	0	0	0	0	0	0	0	375	411	411	14
Romania	0	0	0	528	601	0	0	258	0	0	0	1,387	1,387	46
South Africa	0	0	0	0	0	0	0	0	0	0	9	9	9	(s)
Spain	0	0	139	0	2,283	0	0	0	0	0	171	2,593	2,593	86
Sweden	0	0	0	0	0	0	0	0	970	0	0	970	970	32
Syria	357	0	0	0	0	0	0	0	158	0	0	158	515	17
Trinidad and Tobago	465	0	0	0	101	0	0	210	152	0	0	463	928	31
United Kingdom	2,047	0	256	0	734	0	0	186	1,102	0	0	2,278	4,325	144
U.S.S.R.	0	0	0	0	0	0	0	323	1,182	0	0	1,505	1,505	50
Virgin Islands	0	0	1,393	215	1,357	431	225	2,233	2,443	0	0	8,297	8,297	277
Zaire	300	0	0	0	0	0	0	0	0	0	0	0	300	10
Subtotal Other	16,023	601	2,813	806	11,568	816	260	5,476	14,489	4	1,166	37,999	54,022	1,801
Total Imports	**28,792**	**1,573**	**3,729**	**1,283**	**13,011**	**1,722**	**260**	**9,440**	**22,125**	**4**	**1,725**	**54,871**	**83,663**	**2,789**
							PAD District II							
Arab OPEC														
Algeria	303	0	0	0	0	0	0	0	0	0	0	0	303	10
Iraq	2,502	0	0	0	0	0	0	0	0	0	0	0	2,502	83
Saudi Arabia	4,833	0	0	0	0	0	0	0	0	0	0	0	4,833	161
Subtotal Arab OPEC	7,638	0	0	0	0	0	0	0	0	0	0	0	7,638	255
Other OPEC														
Ecuador	395	0	0	0	0	0	0	0	0	0	0	0	395	13
Nigeria	2,463	0	0	0	0	0	0	0	0	0	0	0	2,463	82
Subtotal Other OPEC	2,858	0	0	0	0	0	0	0	0	0	0	0	2,858	95
Other														
Canada	16,181	3,785	0	20	176	77	0	181	288	68	100	4,695	20,876	696
Mexico	1,409	0	0	0	0	0	0	0	0	0	0	0	1,409	47
Netherlands	0	0	0	0	0	0	0	4	0	0	0	4	4	(s)
South Africa	0	0	0	0	0	0	0	0	0	0	7	7	7	(s)
United Kingdom	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Yemen (Sanaa)	2,076	0	0	0	0	0	0	0	0	0	0	0	2,076	69
Subtotal Other	19,666	3,787	0	20	176	77	0	185	288	68	107	4,708	24,374	812
Total Imports	**30,162**	**3,787**	**0**	**20**	**176**	**77**	**0**	**185**	**288**	**68**	**107**	**4,708**	**34,870**	**1,162**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1988 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District III													
Arab OPEC														
Algeria	854	520	0	0	0	0	0	0	0	0	3,471	3,991	4,845	161
Iraq	8,991	0	0	0	0	0	0	0	0	0	0	0	8,991	300
Kuwait	5,569	0	518	0	0	0	0	0	0	0	0	518	6,087	203
Saudi Arabia	18,158	0	2,828	0	0	0	0	0	0	0	0	2,828	20,986	700
Subtotal Arab OPEC	33,572	520	3,346	0	0	0	0	0	0	0	3,471	7,337	40,909	1,364
Other OPEC														
Ecuador	382	0	0	0	0	0	0	0	0	0	0	0	382	13
Gabon	674	0	0	0	0	0	0	0	0	0	0	0	674	22
Indonesia	987	0	0	0	0	0	0	0	0	0	0	0	987	33
Nigeria	5,108	0	0	0	0	0	0	0	0	0	0	0	5,108	170
Venezuela	9,539	0	1,621	234	0	0	0	0	0	0	0	1,855	11,394	380
Subtotal Other OPEC	16,690	0	1,621	234	0	0	0	0	0	0	0	1,855	18,545	618
Other														
Angola	1,952	0	0	0	0	0	0	0	0	0	0	0	1,952	65
Australia	1,860	0	0	0	0	0	0	0	0	0	0	0	1,860	62
Belgium	0	0	337	0	0	0	0	0	0	0	13	350	350	12
Brazil	0	0	0	0	0	0	0	0	0	17	1	18	18	1
Cameroon	734	0	0	0	0	0	0	0	0	0	0	0	734	24
Canada	0	0	148	40	0	0	0	0	0	89	0	277	277	9
China, People's Republic of	1,620	0	0	0	0	0	0	0	0	0	0	0	1,620	54
Colombia	3,384	0	0	0	0	0	0	0	0	0	0	0	3,384	113
France	0	41	298	0	0	0	0	0	0	0	0	339	339	11
India	0	0	803	0	0	0	0	0	0	0	581	1,384	1,384	46
Italy	0	0	760	0	0	0	0	0	0	0	0	760	760	25
Japan	0	0	0	0	0	0	0	0	0	0	34	34	34	1
Malaysia	1,132	0	0	0	0	0	0	0	0	0	0	0	1,132	38
Mexico	16,683	650	0	0	110	265	0	0	453	0	92	1,570	18,253	608
Netherlands Antilles	0	12	106	310	0	0	0	0	0	0	0	428	428	14
Netherlands	0	0	0	0	0	0	0	0	0	0	34	34	34	1
Oman	0	0	262	0	0	0	0	0	0	0	0	262	262	9
Puerto Rico	0	0	0	0	0	0	0	0	0	0	41	41	41	1
Romania	0	0	0	20	0	0	0	0	0	0	0	20	20	1
South Africa	0	0	0	0	0	0	0	0	0	0	1	1	1	(s)
Spain	0	31	222	0	0	0	0	0	0	0	0	253	253	8
Trinidad and Tobago	1,486	0	0	0	0	0	0	0	0	0	0	0	1,486	50
Turkey	0	0	0	0	0	0	0	0	0	0	68	68	68	2
United Kingdom	2,484	86	208	0	0	0	0	0	0	0	48	342	2,826	94
U.S.S.R.	0	0	800	0	0	0	0	0	0	0	0	800	800	27
Virgin Islands	0	0	0	0	0	0	269	0	0	0	0	269	269	9
Yemen (Sanaa)	499	0	0	0	0	0	0	0	0	0	0	0	499	17
Zaire	955	0	0	0	0	0	0	0	0	0	0	0	955	32
Subtotal Other	32,789	819	3,944	370	110	265	269	0	453	106	913	7,250	40,039	1,335
Total Imports	**83,051**	**1,339**	**8,911**	**604**	**110**	**265**	**269**	**0**	**453**	**106**	**4,384**	**16,442**	**99,493**	**3,316**

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] November 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District IV													
Other														
Canada	2,395	380	0	0	36	0	0	111	0	0	31	558	2,953	98
Malta	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Subtotal Other	2,395	380	0	0	36	0	0	111	0	0	31	558	2,953	98
Total Imports	**2,395**	**380**	**0**	**0**	**36**	**0**	**0**	**111**	**0**	**0**	**31**	**558**	**2,953**	**98**
	PAD District V													
Other OPEC														
Ecuador	291	0	0	0	0	0	0	0	0	0	0	0	291	10
Indonesia	5,035	0	0	0	0	0	0	0	385	0	0	385	5,420	181
Subtotal Other OPEC	5,326	0	0	0	0	0	0	0	385	0	0	385	5,711	190
Other														
Australia	496	96	0	0	0	0	0	0	45	0	0	141	637	21
Canada	737	340	547	0	207	6	172	81	0	9	28	1,390	2,127	71
Japan	0	(s)	0	0	0	0	0	0	0	0	30	30	30	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	42	43	43	1
Malaysia	1,134	0	0	0	0	0	0	0	0	0	0	0	1,134	38
Mexico	0	0	0	0	0	89	0	0	0	0	5	94	94	3
Singapore	0	0	0	0	0	204	0	0	247	0	0	451	451	15
United Kingdom	0	218	0	0	0	0	0	0	0	0	0	218	218	7
Subtotal Other	2,367	655	547	0	207	299	172	81	292	9	105	2,367	4,734	158
Total Imports	**7,693**	**655**	**547**	**0**	**207**	**299**	**172**	**81**	**677**	**9**	**105**	**2,752**	**10,445**	**348**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts													
Arab OPEC														
Algeria	2,228	1,064	0	0	0	0	0	973	2,429	0	2,984	7,450	9,678	312
Iraq	10,276	0	0	0	0	0	0	0	0	0	0	0	10,276	331
Kuwait	3,844	0	0	0	0	1	0	0	130	0	0	131	3,975	128
Saudi Arabia	37,898	0	1,496	51	0	321	0	194	0	0	0	2,062	39,960	1,289
United Arab Emirates	600	0	0	0	0	0	0	0	0	0	0	0	600	19
Subtotal Arab OPEC	54,846	1,064	1,496	51	0	322	0	1,167	2,559	0	2,984	9,644	64,490	2,080
Other OPEC														
Ecuador	1,804	0	0	0	0	0	0	0	182	0	0	182	1,986	64
Indonesia	5,613	0	0	0	0	0	0	0	403	0	0	403	6,016	194
Nigeria	20,669	0	0	0	0	0	0	0	0	0	0	0	20,669	667
Venezuela	9,455	309	1,039	460	969	453	0	3,652	3,894	16	482	11,274	20,729	669
Subtotal Other OPEC	37,541	309	1,039	460	969	453	0	3,652	4,479	16	482	11,859	49,400	1,594
Other														
Angola	4,146	0	0	0	0	0	0	0	0	0	0	0	4,146	134
Argentina	0	0	0	0	0	0	0	0	962	16	0	978	978	32
Australia	0	222	0	0	0	0	0	0	0	0	0	222	222	7
Bahama Islands	0	0	0	0	0	0	0	204	1,032	0	0	1,236	1,236	40
Bahrain	0	0	0	0	0	0	0	0	519	0	0	519	519	17
Belgium	0	0	247	0	0	0	0	0	191	0	0	438	438	14
Brazil	0	0	0	24	1,624	0	0	0	647	0	4	2,299	2,299	74
Cameroon	1,276	0	0	0	0	0	0	0	0	0	0	0	1,276	41
Canada	20,309	4,199	32	0	1,352	248	52	2,072	2,025	129	284	10,393	30,702	990
Chile	0	0	0	0	0	0	0	0	210	0	0	210	210	7
China, People's Republic of	2,977	0	0	0	0	0	0	0	0	0	0	0	2,977	96
China, Taiwan	0	1	0	0	0	0	0	0	0	0	7	8	8	(s)
Colombia	5,246	0	0	0	0	0	0	176	807	0	0	983	6,229	201
Congo	0	0	0	0	0	0	0	0	165	0	0	165	165	5
Egypt	897	0	0	0	0	0	0	0	57	0	2	59	956	31
Finland	0	78	0	0	0	0	0	0	0	0	0	78	78	3
France	0	82	0	0	500	0	0	0	573	0	0	1,155	1,155	37
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Greece	0	0	0	0	0	0	0	64	468	0	0	532	532	17
Guatemala	224	0	0	0	0	0	0	0	0	0	0	0	224	7
India	0	0	958	0	0	0	0	0	0	0	0	958	958	31
Italy	0	0	428	0	648	0	0	0	444	0	616	2,136	2,136	69
Japan	0	(s)	0	0	0	0	0	0	0	0	44	44	44	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	73	74	74	2
Malaysia	522	0	0	0	0	0	0	0	0	0	0	0	522	17
Mexico	20,245	770	0	0	0	573	0	12	420	0	16	1,792	22,037	711
Netherlands Antilles	0	0	0	0	0	70	0	0	1,181	0	0	1,251	1,251	40
Netherlands	0	2	957	0	455	0	0	652	615	0	10	2,691	2,691	87
Norway	2,526	0	0	0	0	0	0	0	271	0	0	271	2,797	90
Peru	0	0	0	0	0	0	0	0	1,390	0	0	1,390	1,390	45
Portugal	0	0	0	0	205	0	0	0	234	0	20	459	459	15
Puerto Rico	0	0	248	0	0	0	0	0	0	0	609	857	857	28
Romania	0	0	0	1,060	519	0	0	422	0	0	0	2,001	2,001	65

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	All PAD Districts (continued)													
Other (continued)														
Singapore	0	0	236	0	0	10	0	0	1,318	0	0	1,564	1.564	50
South Africa	0	0	0	0	0	0	0	0	0	0	13	13	13	(s)
Spain	0	0	205	0	1,373	0	0	352	336	0	70	2,336	2,336	75
Sweden	0	0	0	0	0	0	0	0	830	0	57	887	887	29
Syria	457	0	152	0	0	0	0	0	0	0	0	152	609	20
Thailand	370	0	0	0	0	0	0	0	0	0	0	0	370	12
Trinidad and Tobago	2,580	0	0	0	119	92	0	427	667	0	0	1,305	3,885	125
Tunisia	0	0	0	0	0	0	0	0	392	0	0	392	392	13
Turkey	0	84	0	0	0	0	0	0	0	0	200	284	284	9
United Kingdom	5,642	74	295	0	325	0	0	520	2,246	0	13	3,473	9,115	294
U.S.S.R.	0	0	366	0	0	0	0	0	403	0	0	769	769	25
Virgin Islands	0	0	1,528	362	502	539	845	2,961	4,793	0	0	11,530	11,530	372
Yemen (Sanaa)	1,537	0	0	0	0	0	0	0	0	0	0	0	1,537	50
Zaire	791	0	0	0	0	0	0	0	0	0	0	0	791	26
Subtotal Other	69,745	5,516	5,652	1,446	7,622	1,532	897	7,862	23,196	145	2,039	55,907	125,652	4,053
Total Imports	**162,132**	**6,889**	**8,187**	**1,957**	**8,591**	**2,307**	**897**	**12,681**	**30,234**	**161**	**5,505**	**77,409**	**239,541**	**7,727**
	PAD District I													
Arab OPEC														
Algeria	0	1,064	0	0	0	0	0	973	2,429	0	0	4,466	4,466	144
Iraq	531	0	0	0	0	0	0	0	0	0	0	0	531	17
Kuwait	391	0	0	0	0	0	0	0	130	0	0	130	521	17
Saudi Arabia	7,089	0	0	51	0	321	0	194	0	0	0	566	7,655	247
Subtotal Arab OPEC	8,011	1,064	0	51	0	321	0	1,167	2,559	0	0	5,163	13,174	425
Other OPEC														
Ecuador	1,486	0	0	0	0	0	0	0	182	0	0	182	1,668	54
Nigeria	10,013	0	0	0	0	0	0	0	0	0	0	0	10,013	323
Venezuela	901	149	809	220	969	453	0	3,652	3,894	1	482	10,629	11,530	372
Subtotal Other OPEC	12,400	149	809	220	969	453	0	3,652	4,076	1	482	10,811	23,211	749
Other														
Angola	2,762	0	0	0	0	0	0	0	0	0	0	0	2,762	89
Argentina	0	0	0	0	0	0	0	0	962	16	0	978	978	32
Bahama Islands	0	0	0	0	0	0	0	204	1,032	0	0	1,236	1,236	40
Bahrain	0	0	0	0	0	0	0	0	519	0	0	519	519	17
Belgium	0	0	0	0	0	0	0	0	191	0	0	191	191	6
Brazil	0	0	0	0	1,624	0	0	0	647	0	3	2,274	2,274	73
Cameroon	526	0	0	0	0	0	0	0	0	0	0	0	526	17
Canada	2,016	576	3	0	1,106	155	52	1,684	1,860	7	45	5,488	7,504	242
Chile	0	0	0	0	0	0	0	0	210	0	0	210	210	7
China, People's Republic of	1,475	0	0	0	0	0	0	0	0	0	0	0	1,475	48
Colombia	1,344	0	0	0	0	0	0	176	807	0	0	983	2,327	75
Congo	0	0	0	0	0	0	0	0	165	0	0	165	165	5
Egypt	701	0	0	0	0	0	0	0	57	0	1	58	759	24

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Country of Origin, 1988
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
						PAD District I (continued)								
Other (continued)														
France	0	22	0	0	500	0	0	0	573	0	0	1,095	1,095	35
Germany, FD (W)	0	1	0	0	0	0	0	0	0	0	1	2	2	(s)
Greece	0	0	0	0	0	0	0	64	468	0	0	532	532	17
Italy	0	0	287	0	648	0	0	0	444	0	0	1,379	1,379	44
Japan	0	0	0	0	0	0	0	0	0	0	8	8	8	(s)
Mexico	2,757	0	0	0	0	0	0	12	0	0	0	12	2,769	89
Netherlands Antilles	0	0	0	0	0	70	0	0	1,181	0	0	1,251	1,251	40
Netherlands	0	(s)	957	0	455	0	0	652	615	0	0	2,679	2,679	86
Norway	2,526	0	0	0	0	0	0	0	271	0	0	271	2,797	90
Peru	0	0	0	0	0	0	0	0	1,390	0	0	1,390	1,390	45
Portugal	0	0	0	0	205	0	0	0	234	0	0	439	439	14
Puerto Rico	0	0	248	0	0	0	0	0	0	0	560	808	808	26
Romania	0	0	0	1,060	519	0	0	422	0	0	0	2,001	2,001	65
Singapore	0	0	0	0	0	0	0	0	615	0	0	615	615	20
South Africa	0	0	0	0	0	0	0	0	0	0	10	10	10	(s)
Spain	0	0	205	0	1,373	0	0	352	336	0	70	2,336	2,336	75
Sweden	0	0	0	0	0	0	0	0	830	0	0	830	830	27
Syria	457	0	152	0	0	0	0	0	0	0	0	152	609	20
Trinidad and Tobago	116	0	0	0	119	92	0	427	667	0	0	1,305	1,421	46
Tunisia	0	0	0	0	0	0	0	0	392	0	0	392	392	13
United Kingdom	3,010	0	207	0	325	0	0	520	2,246	0	13	3,311	6,321	204
U.S.S.R.	0	0	0	0	0	0	0	0	403	0	0	403	403	13
Virgin Islands	0	0	1,528	362	502	539	237	2,961	4,793	0	0	10,922	10,922	352
Zaire	436	0	0	0	0	0	0	0	0	0	0	0	436	14
Subtotal Other	18,126	599	3,587	1,422	7,376	856	289	7,474	21,908	23	711	44,245	62,371	2,012
Total Imports	**38,537**	**1,812**	**4,396**	**1,693**	**8,345**	**1,630**	**289**	**12,293**	**28,543**	**24**	**1,193**	**60,218**	**98,755**	**3,186**
						PAD District II								
Arab OPEC														
Algeria	294	0	0	0	0	0	0	0	0	0	0	0	294	9
Saudi Arabia	5,798	0	0	0	0	0	0	0	0	0	0	0	5,798	187
Subtotal Arab OPEC	6,092	0	0	0	0	0	0	0	0	0	0	0	6,092	197
Other OPEC														
Nigeria	4,960	0	0	0	0	0	0	0	0	0	0	0	4,960	160
Venezuela	1,001	0	0	0	0	0	0	0	0	0	0	0	1,001	32
Subtotal Other OPEC	5,961	0	0	0	0	0	0	0	0	0	0	0	5,961	192
Other														
Canada	15,782	2,822	0	0	80	84	0	242	160	84	89	3,561	19,343	624
Colombia	525	0	0	0	0	0	0	0	0	0	0	0	525	17
Japan	0	(s)	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Mexico	1,970	0	0	0	0	300	0	0	0	0	0	300	2,270	73
South Africa	0	0	0	0	0	0	0	0	0	0	3	3	3	(s)
Zaire	355	0	0	0	0	0	0	0	0	0	0	0	355	11
Subtotal Other	18,632	2,822	0	0	80	384	0	242	160	84	92	3,864	22,496	726

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1988 (continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
	PAD District II (continued)													
Other (continued)														
Total Imports	**30,685**	**2,822**	**0**	**0**	**80**	**384**	**0**	**242**	**160**	**84**	**92**	**3,864**	**34,549**	**1,114**
	PAD District III													
Arab OPEC														
Algeria	1,934	0	0	0	0	0	0	0	0	0	2,984	2,984	4,918	159
Iraq	9,745	0	0	0	0	0	0	0	0	0	0	0	9,745	314
Kuwait	3,453	0	0	0	0	0	0	0	0	0	0	0	3,453	111
Saudi Arabia	25,011	0	1,496	0	0	0	0	0	0	0	0	1,496	26,507	855
United Arab Emirates	600	0	0	0	0	0	0	0	0	0	0	0	600	19
Subtotal Arab OPEC	40,743	0	1,496	0	0	0	0	0	0	0	2,984	4,480	45,223	1,459
Other OPEC														
Ecuador	318	0	0	0	0	0	0	0	0	0	0	0	318	10
Indonesia	802	0	0	0	0	0	0	0	0	0	0	0	802	26
Nigeria	5,696	0	0	0	0	0	0	0	0	0	0	0	5,696	184
Venezuela	7,553	160	230	240	0	0	0	0	0	15	0	645	8,198	264
Subtotal Other OPEC	14,369	160	230	240	0	0	0	0	0	15	0	645	15,014	484
Other														
Angola	1,384	0	0	0	0	0	0	0	0	0	0	0	1,384	45
Belgium	0	0	247	0	0	0	0	0	0	0	0	247	247	8
Brazil	0	0	0	24	0	0	0	0	0	0	1	25	25	1
Cameroon	750	0	0	0	0	0	0	0	0	0	0	0	750	24
Canada	0	(s)	29	0	0	0	0	0	0	31	39	99	99	3
China, People's Republic of	1,043	0	0	0	0	0	0	0	0	0	0	0	1,043	34
Colombia	3,377	0	0	0	0	0	0	0	0	0	0	0	3,377	109
Egypt	196	0	0	0	0	0	0	0	0	0	1	1	197	6
Finland	0	78	0	0	0	0	0	0	0	0	0	78	78	3
France	0	60	0	0	0	0	0	0	0	0	0	60	60	2
Guatemala	224	0	0	0	0	0	0	0	0	0	0	0	224	7
India	0	0	958	0	0	0	0	0	0	0	0	958	958	31
Italy	0	0	141	0	0	0	0	0	0	0	616	757	757	24
Malaysia	296	0	0	0	0	0	0	0	0	0	0	0	296	10
Mexico	15,518	770	0	0	0	118	0	0	101	0	12	1,001	16,519	533
Netherlands	0	0	0	0	0	0	0	0	0	0	10	10	10	(s)
Portugal	0	0	0	0	0	0	0	0	0	0	20	20	20	1
Puerto Rico	0	0	0	0	0	0	0	0	0	0	49	49	49	2
Sweden	0	0	0	0	0	0	0	0	0	0	57	57	57	2
Trinidad and Tobago	2,464	0	0	0	0	0	0	0	0	0	0	0	2,464	79
Turkey	0	84	0	0	0	0	0	0	0	0	200	284	284	9
United Kingdom	2,632	74	88	0	0	0	0	0	0	0	0	162	2,794	90
U.S.S.R.	0	0	366	0	0	0	0	0	0	0	0	366	366	12
Virgin Islands	0	0	0	0	0	0	608	0	0	0	0	608	608	20
Yemen (Sanaa)	1,537	0	0	0	0	0	0	0	0	0	0	0	1,537	50
Subtotal Other	29,421	1,067	1,829	24	0	118	608	0	101	31	1,005	4,783	34,204	1,103

See footnotes at end of table.

Table 15. Imports of Crude Oil and Petroleum Products by Source and PAD District,[1] December 1988 (Continued)
(Thousand Barrels)

Source	Crude Oil [2]	LPG	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Kerosene	Distil. Fuel Oil	Resid. Fuel Oil	Special Naphthas	Other Products [3]	Total Products	Total Petroleum	Total (Daily Average)
							PAD District III (continued)							
Other (continued)														
Total Imports	**84,533**	**1,227**	**3,555**	**264**	**0**	**118**	**608**	**0**	**101**	**46**	**3,989**	**9,908**	**94,441**	**3,046**
							PAD District IV							
Other														
Canada	2,138	561	0	0	39	0	0	91	5	0	47	743	2,881	93
Subtotal Other	2,138	561	0	0	39	0	0	91	5	0	47	743	2,881	93
Total Imports	**2,138**	**561**	**0**	**0**	**39**	**0**	**0**	**91**	**5**	**0**	**47**	**743**	**2,881**	**93**
							PAD District V							
Arab OPEC														
Kuwait	0	0	0	0	0	1	0	0	0	0	0	1	1	(s)
Subtotal Arab OPEC	0	0	0	0	0	1	0	0	0	0	0	1	1	(s)
Other OPEC														
Indonesia	4,811	0	0	0	0	0	0	0	403	0	0	403	5,214	168
Subtotal Other OPEC	4,811	0	0	0	0	0	0	0	403	0	0	403	5,214	168
Other														
Australia	0	222	0	0	0	0	0	0	0	0	0	222	222	7
Canada	373	240	0	0	127	9	0	55	0	7	64	502	875	28
China, People's Republic of	459	0	0	0	0	0	0	0	0	0	0	0	459	15
China, Taiwan	0	1	0	0	0	0	0	0	0	0	7	8	8	(s)
Japan	0	0	0	0	0	0	0	0	0	0	36	36	36	1
Korea, Republic of	0	1	0	0	0	0	0	0	0	0	73	74	74	2
Malaysia	226	0	0	0	0	0	0	0	0	0	0	0	226	7
Mexico	0	0	0	0	0	156	0	0	319	0	4	479	479	15
Netherlands	0	2	0	0	0	0	0	0	0	0	0	2	2	(s)
Singapore	0	0	236	0	0	10	0	0	703	0	0	949	949	31
Thailand	370	0	0	0	0	0	0	0	0	0	0	0	370	12
Subtotal Other	1,428	466	236	0	127	175	0	55	1,022	7	184	2,272	3,700	119
Total Imports	**6,239**	**466**	**236**	**0**	**127**	**176**	**0**	**55**	**1,425**	**7**	**184**	**2,676**	**8,915**	**288**

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
3 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint, petroleum coke and miscellaneous products.
4 Beginning in January 1988, imports of crude oil and petroleum products from the Neutral Zone are shown separately. Prior to January 1988, these data were included with imports from Saudi Arabia and Kuwait.
5 A small amount of Iranian crude oil entered the United States (defined in this publication as the 50 States and the District of Columbia) in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on Oct. 29, 1987.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, January 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**213**	**0**	**0**	**6,186**	**6,399**	**206**
Natural Gas Liquids	**15**	**538**	**731**	**47**	**110**	**1,442**	**47**
Pentanes Plus	0	63	0	0	0	63	2
Liquefied Petroleum Gases	15	475	731	47	110	1,379	44
Ethane	(s)	125	(s)	0	(s)	126	4
Propane	8	125	695	19	45	892	29
Normal Butane	7	162	35	28	66	299	10
Isobutane	0	63	0	0	0	63	2
Finished Motor Gasoline	8	25	185	(s)	28	247	8
Naphtha-Type Jet Fuel	1	0	11	0	0	11	(s)
Kerosene-Type Jet Fuel	33	0	1,932	0	560	2,524	81
Kerosene	7	3	(s)	0	1	10	(s)
Distillate Fuel Oil	18	46	1,143	0	1,335	2,541	82
Residual Fuel Oil	1	0	1,334	0	4,563	5,899	190
Naphtha < 400 Deg. for Petro. Feed. Use	42	11	32	1	11	97	3
Other Oils > 400 Deg. for Petro. Feed. Use	0	14	633	0	247	894	29
Special Naphthas	9	6	44	0	5	64	2
Lubricants	178	48	246	3	126	602	19
Waxes	4	2	23	0	7	36	1
Petroleum Coke	394	28	4,218	(s)	2,018	6,657	215
Asphalt	(s)	1	(s)	1	1	4	(s)
Miscellaneous Products	7	(s)	(s)	0	1	8	(s)
Total Product Exports	718	721	10,531	53	9,013	21,037	679
Total Exports	**718**	**934**	**10,531**	**53**	**15,199**	**27,436**	**885**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, February 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**657**	**0**	**0**	**3,569**	**4,226**	**146**
Natural Gas Liquids	**39**	**452**	**707**	**51**	**158**	**1,407**	**49**
Pentanes Plus	0	56	0	0	0	56	2
Liquefied Petroleum Gases	39	395	707	51	158	1,350	47
Ethane	(s)	113	(s)	0	0	114	4
Propane	22	104	676	20	62	884	30
Normal Butane	17	122	31	30	96	296	10
Isobutane	0	56	0	0	0	56	2
Finished Motor Gasoline	21	26	243	0	246	536	18
Naphtha-Type Jet Fuel	(s)	0	1	(s)	0	2	(s)
Kerosene-Type Jet Fuel	35	2	688	0	250	974	34
Kerosene	10	116	0	0	0	126	4
Distillate Fuel Oil	12	3	1,312	0	1,768	3,095	107
Residual Fuel Oil	2	0	1,414	0	5,218	6,635	229
Naphtha < 400 Deg. for Petro. Feed. Use	44	20	41	(s)	15	119	4
Other Oils > 400 Deg. for Petro. Feed. Use	1	1	0	0	141	143	5
Special Naphthas	13	5	87	0	2	107	4
Lubricants	145	39	348	4	117	653	23
Waxes	5	2	15	0	10	31	1
Petroleum Coke	127	31	4,153	0	2,678	6,989	241
Asphalt	1	1	(s)	1	1	4	(s)
Miscellaneous Products	7	(s)	(s)	0	(s)	8	(s)
Total Product Exports	462	695	9,010	56	10,605	20,827	718
Total Exports	**462**	**1,352**	**9,010**	**56**	**14,174**	**25,053**	**864**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, March 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**697**	**0**	**0**	**5,901**	**6,598**	**213**
Natural Gas Liquids	**33**	**514**	**367**	**38**	**222**	**1,175**	**38**
Pentanes Plus	0	63	0	0	0	63	2
Liquefied Petroleum Gases	33	451	367	38	222	1,112	36
Ethane	(s)	126	(s)	0	(s)	127	4
Propane	17	112	356	15	103	604	19
Normal Butane	15	150	11	23	120	319	10
Isobutane	0	63	0	0	0	63	2
Finished Motor Gasoline	33	26	159	(s)	338	556	18
Naphtha-Type Jet Fuel	1	0	(s)	(s)	0	2	(s)
Kerosene-Type Jet Fuel	129	(s)	1,168	0	327	1,624	52
Kerosene	13	2	5	1	(s)	21	1
Distillate Fuel Oil	21	20	1,356	0	912	2,309	74
Residual Fuel Oil	4	0	2,036	0	3,087	5,127	165
Naphtha < 400 Deg. for Petro. Feed. Use	60	24	58	(s)	14	156	5
Other Oils > 400 Deg. for Petro. Feed. Use	3	42	315	0	221	581	19
Special Naphthas	14	20	83	1	4	122	4
Lubricants	276	43	323	3	164	809	26
Waxes	6	1	28	(s)	10	45	1
Petroleum Coke	318	56	3,760	0	2,587	6,720	217
Asphalt	1	0	5	1	2	9	(s)
Miscellaneous Products	7	0	(s)	0	1	8	(s)
Total Product Exports	919	750	9,664	45	7,889	19,267	622
Total Exports	**919**	**1,447**	**9,664**	**45**	**13,790**	**25,865**	**834**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, April 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**342**	**0**	**0**	**3,091**	**3,433**	**114**
Natural Gas Liquids	**51**	**521**	**556**	**35**	**193**	**1,357**	**45**
Pentanes Plus	0	59	0	0	0	59	2
Liquefied Petroleum Gases	51	462	556	35	193	1,298	43
Ethane	(s)	118	0	0	(s)	118	4
Propane	32	162	515	14	81	804	27
Normal Butane	19	124	40	21	113	317	11
Isobutane	0	59	0	0	0	59	2
Finished Motor Gasoline	14	74	434	0	30	553	18
Naphtha-Type Jet Fuel	2	0	(s)	0	0	3	(s)
Kerosene-Type Jet Fuel	21	0	324	0	47	392	13
Kerosene	8	1	1	0	1	11	(s)
Distillate Fuel Oil	11	6	357	0	894	1,268	42
Residual Fuel Oil	2	0	1,654	0	3,439	5,095	170
Naphtha < 400 Deg. for Petro. Feed. Use	46	32	43	1	7	128	4
Other Oils > 400 Deg. for Petro. Feed. Use	3	44	328	0	204	578	19
Special Naphthas	9	5	74	0	3	91	3
Lubricants	354	56	417	5	189	1,021	34
Waxes	5	2	29	(s)	8	43	1
Petroleum Coke	118	99	3,848	0	2,231	6,296	210
Asphalt	1	(s)	(s)	1	2	4	(s)
Miscellaneous Products	5	1	(s)	0	(s)	6	(s)
Total Product Exports	652	840	8,066	41	7,248	16,847	562
Total Exports	**652**	**1,181**	**8,066**	**41**	**10,339**	**20,279**	**676**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, May 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**142**	**0**	**0**	**4,143**	**4,285**	**138**
Natural Gas Liquids	**22**	**548**	**395**	**31**	**218**	**1,214**	**39**
Pentanes Plus	0	65	0	0	0	65	2
Liquefied Petroleum Gases	22	484	395	31	218	1,149	37
Ethane	(s)	129	1	0	(s)	130	4
Propane	13	162	349	12	93	630	20
Normal Butane	9	128	45	19	125	325	10
Isobutane	0	65	0	0	0	65	2
Finished Motor Gasoline	18	9	821	0	5	853	28
Naphtha-Type Jet Fuel	3	0	0	(s)	80	83	3
Kerosene-Type Jet Fuel	8	0	108	0	3	119	4
Kerosene	12	1	0	0	0	13	(s)
Distillate Fuel Oil	19	60	1,174	(s)	1,041	2,295	74
Residual Fuel Oil	6	0	2,902	0	5,234	8,142	263
Naphtha < 400 Deg. for Petro. Feed. Use	36	21	67	2	16	142	5
Other Oils > 400 Deg. for Petro. Feed. Use	8	35	256	0	90	389	13
Special Naphthas	12	3	45	0	267	327	11
Lubricants	204	58	390	3	124	780	25
Waxes	4	31	24	0	7	65	2
Petroleum Coke	34	190	3,895	0	2,389	6,508	210
Asphalt	2	2	(s)	(s)	3	7	(s)
Miscellaneous Products	6	(s)	1	0	(s)	7	(s)
Total Product Exports	394	959	10,077	37	9,478	20,944	676
Total Exports	**394**	**1,100**	**10,077**	**37**	**13,621**	**25,229**	**814**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Exports of Crude Oil and Petroleum Products By PAD District, June 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**404**	**0**	**0**	**3,723**	**4,128**	**138**
Natural Gas Liquids	**92**	**523**	**242**	**40**	**292**	**1,189**	**40**
Pentanes Plus	0	63	0	0	0	63	2
Liquefied Petroleum Gases	92	460	242	40	292	1,126	38
Ethane	(s)	125	(s)	0	(s)	126	4
Propane	31	156	239	16	143	585	20
Normal Butane	61	116	2	24	149	353	12
Isobutane	0	63	0	0	0	63	2
Finished Motor Gasoline	57	390	1,083	0	230	1,760	59
Naphtha-Type Jet Fuel	(s)	0	0	0	(s)	1	(s)
Kerosene-Type Jet Fuel	8	0	416	0	39	463	15
Kerosene	7	1	6	0	0	15	(s)
Distillate Fuel Oil	159	48	1,235	0	825	2,267	76
Residual Fuel Oil	1	0	2,700	0	4,778	7,479	249
Naphtha < 400 Deg. for Petro. Feed. Use	40	29	47	1	26	143	5
Other Oils > 400 Deg. for Petro. Feed. Use	0	59	483	0	131	672	22
Special Naphthas	23	3	154	(s)	1	182	6
Lubricants	329	52	458	5	171	1,016	34
Waxes	7	3	13	0	7	30	1
Petroleum Coke	173	27	4,855	1	3,668	8,723	291
Asphalt	(s)	55	2	1	2	60	2
Miscellaneous Products	6	0	1	0	(s)	7	(s)
Total Product Exports	904	1,190	11,695	49	10,169	24,007	800
Total Exports	**904**	**1,595**	**11,695**	**49**	**13,892**	**28,135**	**938**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, July 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**48**	**0**	**0**	**5,717**	**5,765**	**186**
Natural Gas Liquids	**34**	**505**	**396**	**21**	**203**	**1,160**	**37**
Pentanes Plus	0	63	0	0	0	63	2
Liquefied Petroleum Gases	34	442	396	21	203	1,097	35
Ethane	4	126	(s)	0	(s)	130	4
Propane	7	138	384	8	91	628	20
Normal Butane	23	116	12	13	112	276	9
Isobutane	0	63	0	0	0	63	2
Finished Motor Gasoline	4	84	272	0	6	365	12
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	21	1	20	(s)	65	107	3
Kerosene	4	1	1	0	(s)	6	(s)
Distillate Fuel Oil	8	2	724	0	1,062	1,796	58
Residual Fuel Oil	3	0	2,483	0	3,903	6,390	206
Naphtha < 400 Deg. for Petro. Feed. Use	64	23	102	2	12	203	7
Other Oils > 400 Deg. for Petro. Feed. Use	0	34	155	0	134	323	10
Special Naphthas	83	2	122	0	76	283	9
Lubricants	212	38	365	1	180	796	26
Waxes	6	60	16	(s)	8	90	3
Petroleum Coke	521	230	4,241	(s)	3,273	8,264	267
Asphalt	(s)	2	1	1	39	43	1
Miscellaneous Products	10	0	0	0	(s)	10	(s)
Total Product Exports	972	980	8,899	25	8,963	19,839	640
Total Exports	**972**	**1,028**	**8,899**	**25**	**14,680**	**25,604**	**826**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, August 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**150**	**0**	**0**	**4,565**	**4,715**	**152**
Natural Gas Liquids	**247**	**576**	**531**	**21**	**238**	**1,613**	**52**
Pentanes Plus	0	67	0	0	0	67	2
Liquefied Petroleum Gases	247	509	531	21	238	1,546	50
Ethane	1	135	(s)	0	0	136	4
Propane	99	158	475	9	108	850	27
Normal Butane	147	149	55	13	129	493	16
Isobutane	0	67	0	0	0	67	2
Finished Motor Gasoline	10	8	436	0	27	479	15
Naphtha-Type Jet Fuel	0	0	20	0	0	20	1
Kerosene-Type Jet Fuel	15	(s)	24	0	401	440	14
Kerosene	8	1	(s)	0	(s)	10	(s)
Distillate Fuel Oil	19	64	1,031	(s)	1,043	2,158	70
Residual Fuel Oil	2	0	1,785	0	5,176	6,964	225
Naphtha < 400 Deg. for Petro. Feed. Use	89	28	65	(s)	15	198	6
Other Oils > 400 Deg. for Petro. Feed. Use	0	15	348	0	246	608	20
Special Naphthas	13	1	47	0	224	285	9
Lubricants	156	41	465	6	137	806	26
Waxes	10	2	44	0	7	63	2
Petroleum Coke	74	520	3,787	(s)	2,394	6,775	219
Asphalt	1	72	(s)	1	2	76	2
Miscellaneous Products	8	(s)	(s)	0	1	9	(s)
Total Product Exports	651	1,329	8,583	30	9,911	20,504	661
Total Exports	**651**	**1,479**	**8,583**	**30**	**14,476**	**25,219**	**814**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, September 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**521**	**0**	**0**	**3,052**	**3,573**	**119**
Natural Gas Liquids	**121**	**467**	**535**	**21**	**194**	**1,338**	**45**
Pentanes Plus	0	57	0	0	0	57	2
Liquefied Petroleum Gases	121	410	535	21	194	1,281	43
Ethane	(s)	114	(s)	0	(s)	115	4
Propane	50	121	500	9	81	760	25
Normal Butane	71	117	34	13	113	349	12
Isobutane	0	57	0	0	0	57	2
Finished Motor Gasoline	12	8	424	0	27	471	16
Naphtha-Type Jet Fuel	1	0	213	(s)	0	214	7
Kerosene-Type Jet Fuel	(s)	0	153	0	111	265	9
Kerosene	9	2	30	0	(s)	41	1
Distillate Fuel Oil	15	113	1,510	0	519	2,156	72
Residual Fuel Oil	7	0	584	0	2,417	3,008	100
Naphtha < 400 Deg. for Petro. Feed. Use	38	40	63	(s)	40	182	6
Other Oils > 400 Deg. for Petro. Feed. Use	1	63	268	0	142	474	16
Special Naphthas	106	112	75	(s)	1	294	10
Lubricants	225	29	492	2	161	909	30
Waxes	7	3	52	(s)	8	70	2
Petroleum Coke	56	180	3,482	0	3,417	7,135	238
Asphalt	2	37	(s)	1	1	41	1
Miscellaneous Products	9	(s)	(s)	0	(s)	9	(s)
Total Product Exports	606	1,054	7,882	25	7,039	16,605	554
Total Exports	**606**	**1,575**	**7,882**	**25**	**10,091**	**20,178**	**673**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, October 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**93**	**0**	**0**	**5,064**	**5,157**	**166**
Natural Gas Liquids	**38**	**419**	**1,014**	**45**	**276**	**1,792**	**58**
Pentanes Plus	0	51	0	0	0	51	2
Liquefied Petroleum Gases	38	368	1,014	45	276	1,741	56
Ethane	(s)	102	(s)	0	(s)	102	3
Propane	17	117	1,014	18	122	1,288	42
Normal Butane	21	97	1	27	154	300	10
Isobutane	0	51	0	0	0	51	2
Finished Motor Gasoline	27	10	347	0	27	410	13
Naphtha-Type Jet Fuel	(s)	0	0	(s)	77	77	2
Kerosene-Type Jet Fuel	4	1	27	0	22	54	2
Kerosene	7	57	0	0	1	65	2
Distillate Fuel Oil	44	59	546	0	840	1,489	48
Residual Fuel Oil	130	0	951	0	4,524	5,605	181
Naphtha < 400 Deg. for Petro. Feed. Use	60	23	56	(s)	10	149	5
Other Oils > 400 Deg. for Petro. Feed. Use	(s)	21	243	0	74	339	11
Special Naphthas	9	5	84	(s)	6	104	3
Lubricants	198	34	224	4	101	561	18
Waxes	4	1	26	0	7	39	1
Petroleum Coke	87	30	3,598	0	3,133	6,848	221
Asphalt	(s)	1	2	1	1	5	(s)
Miscellaneous Products	7	(s)	(s)	0	(s)	8	(s)
Total Product Exports	616	661	7,118	51	9,100	17,546	566
Total Exports	**616**	**754**	**7,118**	**51**	**14,164**	**22,703**	**732**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, November 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**(s)**	**378**	**0**	**0**	**4,050**	**4,429**	**148**
Natural Gas Liquids	**100**	**856**	**961**	**38**	**299**	**2,255**	**75**
Pentanes Plus	0	114	0	0	0	114	4
Liquefied Petroleum Gases	100	742	961	38	299	2,141	71
Ethane	(s)	228	(s)	0	(s)	228	8
Propane	49	227	952	15	140	1,383	46
Normal Butane	51	174	9	23	159	416	14
Isobutane	0	114	0	0	0	114	4
Finished Motor Gasoline	11	3	231	0	202	447	15
Naphtha-Type Jet Fuel	(s)	(s)	2	1	0	3	(s)
Kerosene-Type Jet Fuel	(s)	1	54	0	215	271	9
Kerosene	2	56	(s)	0	(s)	59	2
Distillate Fuel Oil	15	2	785	0	231	1,033	34
Residual Fuel Oil	4	0	596	0	3,778	4,379	146
Naphtha < 400 Deg. for Petro. Feed. Use	79	27	159	1	14	280	9
Other Oils > 400 Deg. for Petro. Feed. Use	(s)	14	550	0	84	649	22
Special Naphthas	123	5	103	(s)	108	338	11
Lubricants	291	29	235	2	125	682	23
Waxes	3	2	29	0	8	43	1
Petroleum Coke	45	446	3,688	0	2,452	6,631	221
Asphalt	(s)	0	2	1	2	5	(s)
Miscellaneous Products	5	(s)	(s)	0	(s)	6	(s)
Total Product Exports	680	1,441	7,397	43	7,519	17,080	569
Total Exports	**680**	**1,819**	**7,397**	**43**	**11,569**	**21,508**	**717**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Exports of Crude Oil and Petroleum Products by PAD District, December 1988
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	Total	
Crude Oil (including lease condensate) [1]	**0**	**82**	**0**	**0**	**3,924**	**4,006**	**129**
Natural Gas Liquids	**57**	**525**	**1,706**	**42**	**358**	**2,689**	**87**
Pentanes Plus	0	64	0	0	0	64	2
Liquefied Petroleum Gases	57	461	1,706	42	358	2,625	85
Ethane	(s)	130	0	0	0	130	4
Propane	26	136	1,655	16	165	1,998	64
Normal Butane	30	132	52	26	194	433	14
Isobutane	0	64	0	0	0	64	2
Finished Motor Gasoline	25	6	674	0	689	1,394	45
Naphtha-Type Jet Fuel	0	0	(s)	1	77	78	3
Kerosene-Type Jet Fuel	(s)	1	1,011	0	1,458	2,470	80
Kerosene	4	3	1	0	51	59	2
Distillate Fuel Oil	8	29	1,029	0	1,627	2,694	87
Residual Fuel Oil	4	0	2,317	0	6,065	8,386	271
Naphtha < 400 Deg. for Petro. Feed. Use	89	24	227	(s)	248	589	19
Other Oils > 400 Deg. for Petro. Feed. Use	1	31	190	0	145	367	12
Special Naphthas	163	11	237	0	3	413	13
Lubricants	200	47	326	2	371	947	31
Waxes	16	31	14	(s)	9	70	2
Petroleum Coke	67	540	4,373	2	2,026	7,007	226
Asphalt	(s)	71	3	0	3	78	3
Miscellaneous Products	10	(s)	(s)	0	1	11	(s)
Total Product Exports	644	1,320	12,108	47	13,131	27,251	879
Total Exports	**644**	**1,401**	**12,108**	**47**	**17,055**	**31,256**	**1,008**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, January 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	2	(s)	3	0	0	6	(s)
Australia	0	0	0	0	0	590	1	12	(s)	311	(s)	1	916	30
Bahama Islands	0	10	78	16	184	896	0	5	(s)	0	(s)	(s)	1,190	38
Bahrain	0	0	0	0	(s)	0	0	(s)	0	0	0	0	(s)	(s)
Belgium & Luxembourg	0	16	0	0	0	0	0	10	(s)	633	0	0	659	21
Brazil	0	0	0	0	0	0	(s)	7	(s)	0	0	1	9	(s)
Cameroon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Canada	213	529	60	362	286	0	10	95	4	41	2	115	1,717	55
Chile	0	0	0	0	0	0	(s)	32	(s)	0	0	(s)	32	1
China, Taiwan	303	1	0	0	3	1,083	(s)	44	1	41	0	7	1,483	48
Colombia	0	0	0	0	0	0	0	5	(s)	(s)	0	(s)	6	(s)
Costa Rica	0	(s)	0	0	0	0	(s)	7	0	0	0	1	8	(s)
Denmark	0	(s)	0	0	0	0	0	(s)	(s)	0	0	0	1	(s)
Dominican Republic	0	0	0	0	0	0	0	3	(s)	0	0	1	4	(s)
Ecuador	0	0	0	10	0	0	2	5	(s)	0	0	2	18	1
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
El Salvador	0	0	0	0	0	0	1	2	0	(s)	0	0	3	(s)
Finland	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
France	0	0	0	0	0	0	0	4	1	349	0	205	559	18
French Pacific Isl	0	0	0	0	392	0	0	1	0	0	0	0	392	13
Ghana	0	0	0	0	0	0	0	(s)	0	43	0	0	43	1
Greece	0	1	0	0	0	0	0	(s)	(s)	345	0	0	346	11
Guatemala	0	31	35	0	291	0	0	8	(s)	0	0	(s)	365	12
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	16	0	0	5	0	1	1	1	0	0	(s)	24	1
Hong Kong	0	1	0	0	0	0	0	1	(s)	0	0	(s)	2	(s)
India	0	0	0	0	0	0	2	4	(s)	0	0	(s)	5	(s)
Indonesia	0	0	0	0	0	0	0	3	0	0	(s)	0	3	(s)
Israel	0	0	0	0	0	0	0	1	(s)	134	0	2	136	4
Italy	0	56	0	0	0	0	18	2	1	1,104	(s)	206	1,386	45
Ivory Coast	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Jamaica	0	(s)	0	0	0	223	(s)	9	0	0	0	(s)	233	8
Japan	0	(s)	71	2,001	1,079	658	12	42	3	1,495	0	22	5,385	174
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Korea, Republic of	0	2	1	0	1	416	3	19	(s)	343	0	191	976	31
Kuwait	0	1	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	1	(s)	0	(s)	(s)	1	(s)
Mexico	0	584	1	15	0	1,069	1	94	19	51	(s)	11	1,846	60
Netherlands	0	(s)	0	0	0	0	0	2	1	658	0	128	789	25
Netherlands Antilles	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
New Zealand	0	0	0	0	0	0	0	1	(s)	0	0	1	1	(s)
Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	(s)	0	87	(s)	0	87	3
Panama	0	0	0	0	80	0	7	2	(s)	0	0	1	89	3
Peru	0	(s)	0	129	219	0	0	4	(s)	0	0	(s)	353	11
Philippines	0	0	0	0	0	0	1	8	(s)	0	0	(s)	9	(s)
Puerto Rico	798	3	0	0	0	1	(s)	23	2	0	(s)	5	832	27
South Africa	0	(s)	0	0	0	0	(s)	(s)	(s)	0	0	6	6	(s)
Saudi Arabia	0	16	0	0	0	0	(s)	6	0	(s)	0	1	23	1
Singapore	0	1	0	0	0	0	2	3	(s)	0	0	(s)	6	(s)

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, January 1988 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	(s)	0	0	0	319	0	4	0	288	0	112	724	23
Surinam	0	18	0	0	0	0	0	5	0	0	0	0	23	1
Sweden	0	0	0	0	0	0	0	2	(s)	0	0	(s)	2	(s)
Switzerland	0	0	0	0	0	0	0	(s)	0	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	0	5	0	0	0	46	51	2
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	(s)	0	332	0	0	332	11
United Arab Emirates	0	(s)	0	0	0	0	0	16	0	0	(s)	0	16	1
United Kingdom	0	1	0	0	0	204	0	2	1	(s)	(s)	5	214	7
U.S.S.R.	0	0	0	0	0	0	0	54	0	73	0	2	129	4
Uruguay	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Venezuela	0	0	0	2	(s)	0	0	8	(s)	201	0	(s)	212	7
Virgin Islands	5,085	1	0	0	0	0	0	13	0	0	0	0	5,099	164
Germany FD (W)	0	2	(s)	0	0	0	1	4	1	0	(s)	1	9	(s)
Yugoslavia	0	0	0	0	0	0	0	0	0	95	0	0	95	3
Other	0	90	1	0	(s)	439	(s)	12	(s)	29	(s)	(s)	571	18
Total	**6,399**	**1,379**	**247**	**2,535**	**2,541**	**5,899**	**64**	**602**	**36**	**6,657**	**4**	**1,073**	**27,436**	**885**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, February 1988
(Thousand Barrels)

Destination	Crude Oil 1	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other2	Total	Total (Daily Average)
Argentina	0	(s)	0	0	0	0	0	(s)	(s)	0	0	0	1	(s)
Australia	0	1	0	0	0	0	16	12	1	244	0	4	278	10
Bahama Islands	0	19	25	32	133	433	0	2	0	0	0	(s)	644	22
Bahrain	0	(s)	0	0	0	0	0	(s)	0	61	0	(s)	62	2
Belgium & Luxembourg	0	0	0	0	0	0	4	23	(s)	1,089	0	(s)	1,116	38
Brazil	0	50	36	0	0	0	17	3	0	86	0	0	192	7
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	657	456	95	279	509	40	11	80	4	420	2	214	2,768	95
Chile	0	(s)	0	0	0	0	0	2	(s)	0	0	(s)	3	(s)
China, Taiwan	0	(s)	0	0	578	1,066	(s)	31	2	2	(s)	6	1,684	58
Colombia	0	0	0	0	0	0	(s)	3	0	0	0	(s)	4	(s)
Costa Rica	0	0	10	0	0	0	2	4	(s)	0	0	(s)	16	1
Denmark	0	0	0	0	0	0	0	1	(s)	255	0	1	257	9
Dominican Republic	0	0	0	0	0	0	0	5	(s)	0	0	(s)	5	(s)
Ecuador	0	0	0	0	(s)	0	(s)	1	0	0	0	(s)	2	(s)
Egypt	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
El Salvador	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Finland	0	0	0	0	0	0	0	3	0	0	0	0	3	(s)
France	0	2	0	0	0	0	0	7	2	0	0	1	12	(s)
French Pacific Isl	0	1	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Greece	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Guatemala	0	84	0	0	0	0	3	7	0	0	0	0	94	3
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	0	0	0	0	0	0	8	0	0	0	0	8	(s)
Hong Kong	0	0	0	0	0	0	0	1	(s)	0	(s)	(s)	2	(s)
India	0	0	0	0	0	0	(s)	16	(s)	0	0	2	18	1
Indonesia	0	0	0	0	0	0	2	3	0	0	(s)	0	5	(s)
Israel	0	0	0	0	0	0	0	1	(s)	0	0	1	2	(s)
Italy	0	52	3	0	0	0	(s)	9	(s)	882	0	8	954	33
Ivory Coast	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)	(s)
Jamaica	0	9	0	0	0	192	(s)	2	0	0	0	1	203	7
Japan	0	(s)	297	454	1,286	1,367	14	49	3	1,421	0	59	4,951	171
Jordan	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
Korea, Republic of	0	2	0	0	0	684	1	17	(s)	31	(s)	46	781	27
Kuwait	0	(s)	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	1	(s)	0	(s)	(s)	2	(s)
Mexico	0	600	1	1	0	945	2	101	13	90	0	9	1,761	61
Netherlands	0	(s)	9	0	0	0	15	10	(s)	705	(s)	10	750	26
Netherlands Antilles	0	0	0	0	(s)	735	0	4	0	0	0	(s)	739	25
New Zealand	0	0	0	0	0	0	1	5	(s)	126	0	1	133	5
Nigeria	0	0	0	0	0	0	0	2	1	0	(s)	0	3	(s)
Norway	0	2	0	0	0	0	0	3	0	91	0	(s)	95	3
Pacific Trust Terr.	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	0	34	0	125	300	1	114	0	0	0	5	578	20
Peru	0	20	25	196	401	0	1	3	(s)	(s)	0	(s)	646	22
Philippines	0	0	0	0	0	0	1	10	(s)	0	0	(s)	12	(s)
Puerto Rico	340	3	0	0	0	1	(s)	25	1	0	0	8	378	13
South Africa	0	1	0	0	0	0	0	1	(s)	0	(s)	0	2	(s)
Saudi Arabia	0	22	0	0	0	0	0	10	0	0	0	2	34	1
Singapore	0	0	0	0	0	843	3	4	(s)	0	0	0	849	29

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, February 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	3	(s)	810	0	1	814	28
Surinam	0	17	0	0	0	0	0	(s)	0	0	0	0	17	1
Sweden	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Switzerland	0	(s)	0	0	0	0	(s)	1	0	0	0	(s)	2	(s)
Thailand	0	(s)	0	0	0	0	3	4	(s)	0	0	42	49	2
Trinidad and Tobago	0	3	0	0	0	0	(s)	1	(s)	0	0	(s)	4	(s)
Turkey	0	0	0	0	0	0	0	15	0	0	0	2	17	1
United Arab Emirates	0	0	0	0	0	0	0	2	0	28	(s)	1	30	1
United Kingdom	0	(s)	0	0	1	0	1	2	1	509	1	13	526	18
U.S.S.R.	0	0	0	0	0	0	0	1	0	67	0	5	73	3
Uruguay	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Venezuela	0	(s)	0	0	0	0	(s)	5	(s)	(s)	0	3	8	(s)
Virgin Islands	3,229	2	0	0	0	0	0	2	0	0	0	3	3,236	112
Germany FD (W)	0	3	0	0	0	0	8	13	2	74	(s)	2	101	3
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Other	0	(s)	1	13	62	30	0	12	(s)	0	(s)	2	121	4
Total	**4,226**	**1,350**	**536**	**976**	**3,095**	**6,635**	**107**	**653**	**31**	**6,989**	**4**	**453**	**25,053**	**864**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, March 1988
(Thousand Barrels)

Destination	Crude Oil 1	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other2	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	4	1	0	0	0	115	121	4
Australia	0	2	0	0	0	565	1	18	(s)	194	0	1	783	25
Bahama Islands	0	0	40	45	252	583	0	4	0	0	0	0	924	30
Bahrain	0	0	0	0	0	0	0	(s)	0	64	0	0	64	2
Belgium & Luxembourg	0	3	0	0	0	0	32	31	(s)	6	(s)	(s)	72	2
Brazil	0	0	0	0	0	0	8	1	(s)	1	0	(s)	10	(s)
Cameroon	0	0	0	0	0	0	0	0	0	38	0	0	38	1
Canada	697	519	156	673	447	680	27	146	4	560	2	156	4,066	131
Chile	0	(s)	0	0	0	0	3	28	(s)	0	0	(s)	32	1
China, Taiwan	0	3	1	0	(s)	474	(s)	45	2	122	0	4	650	21
Colombia	0	(s)	0	0	0	0	0	14	(s)	(s)	0	5	19	1
Costa Rica	0	0	0	0	0	0	2	9	(s)	(s)	(s)	1	12	(s)
Denmark	0	0	0	0	0	0	(s)	(s)	(s)	0	(s)	1	2	(s)
Dominican Republic	0	0	0	0	56	0	(s)	4	0	0	0	(s)	60	2
Ecuador	0	0	0	0	0	0	0	26	(s)	0	0	1	27	1
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
El Salvador	0	0	0	0	0	0	0	2	0	(s)	0	0	2	(s)
Finland	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
France	0	0	0	0	0	0	(s)	4	(s)	264	0	58	327	11
French Pacific Isl	0	0	0	0	0	30	0	1	0	0	0	0	31	1
Ghana	0	0	0	0	0	0	0	1	0	41	0	0	42	1
Greece	0	2	0	0	0	0	0	1	0	0	0	0	2	(s)
Guatemala	0	128	79	7	92	0	1	12	(s)	0	(s)	0	319	10
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	13	0	0	65	0	0	1	(s)	0	0	(s)	79	3
Hong Kong	0	1	0	0	0	0	(s)	5	(s)	0	(s)	(s)	6	(s)
India	0	0	0	0	0	0	0	10	(s)	0	0	7	18	1
Indonesia	0	0	0	0	0	0	0	5	(s)	97	0	(s)	102	3
Israel	0	1	0	208	0	0	(s)	2	(s)	(s)	0	2	213	7
Italy	0	4	0	0	0	0	5	3	1	1,114	0	97	1,223	39
Ivory Coast	0	0	0	0	0	0	0	5	0	0	0	0	5	(s)
Jamaica	0	14	0	0	76	217	0	2	1	0	0	(s)	310	10
Japan	0	1	278	483	927	396	23	49	3	1,645	(s)	12	3,818	123
Jordan	0	1	0	0	0	0	0	0	0	0	0	0	1	(s)
Korea, Republic of	0	5	1	0	0	1	1	25	(s)	(s)	0	111	143	5
Kuwait	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Lebanon	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	1	1	0	(s)	1	3	(s)
Mexico	0	367	1	(s)	1	1,248	5	89	13	56	(s)	7	1,785	58
Netherlands	0	1	0	0	0	0	0	3	1	815	0	17	837	27
Netherlands Antilles	0	(s)	0	0	0	463	0	2	0	0	0	(s)	465	15
New Zealand	0	0	0	0	0	0	0	(s)	(s)	(s)	(s)	(s)	1	(s)
Nigeria	0	0	0	0	0	0	0	3	0	0	0	0	3	(s)
Norway	0	1	0	0	0	0	0	(s)	(s)	43	(s)	(s)	45	1
Pacific Trust Terr.	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	0	0	0	147	0	(s)	2	0	0	(s)	(s)	149	5
Peru	0	(s)	0	209	207	0	(s)	1	(s)	0	0	1	418	13
Philippines	0	(s)	0	0	0	0	2	3	(s)	0	0	(s)	6	(s)
Puerto Rico	1,039	5	0	0	0	1	1	31	1	0	(s)	9	1,088	35
South Africa	0	(s)	0	0	0	0	0	1	(s)	149	(s)	(s)	150	5
Saudi Arabia	0	3	0	0	0	0	(s)	9	(s)	2	0	2	16	1
Singapore	0	0	0	0	0	0	(s)	2	(s)	(s)	(s)	118	121	4

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, March 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	463	0	9	15	1,188	0	1	1,676	54
Surinam	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Sweden	0	0	0	0	0	0	1	1	(s)	0	(s)	(s)	3	(s)
Switzerland	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	0	3	(s)	0	0	3	6	(s)
Trinidad and Tobago	0	0	0	0	0	0	(s)	(s)	(s)	0	0	1	2	(s)
Turkey	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
United Arab Emirates	0	0	0	0	0	0	(s)	1	0	0	0	(s)	2	(s)
United Kingdom	0	1	0	0	0	0	0	4	1	2	1	21	29	1
U.S.S.R.	0	0	0	0	0	0	0	58	0	0	0	5	64	2
Uruguay	0	(s)	0	0	0	0	0	1	0	0	0	(s)	2	(s)
Venezuela	0	3	0	0	0	0	2	8	1	156	0	1	172	6
Virgin Islands	4,862	(s)	0	0	0	0	0	1	0	0	0	0	4,863	157
Germany FD (W)	0	4	0	0	0	0	1	99	1	71	5	13	194	6
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	31	1	0	41	6	2	18	(s)	91	(s)	54	244	8
Total	**6,598**	**1,112**	**556**	**1,626**	**2,309**	**5,127**	**122**	**809**	**45**	**6,720**	**9**	**830**	**25,865**	**834**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, April 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	19	0	0	0	0	0	3	(s)	0	0	(s)	22	1
Australia	0	(s)	0	0	(s)	70	0	5	(s)	159	(s)	1	236	8
Bahama Islands	0	16	64	13	(s)	100	0	2	0	0	(s)	(s)	196	7
Bahrain	0	0	0	0	0	0	(s)	0	0	0	0	1	1	(s)
Belgium & Luxembourg	0	0	0	0	0	0	20	46	(s)	987	0	1	1,055	35
Brazil	0	0	4	0	0	0	(s)	2	0	0	0	(s)	6	(s)
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	342	508	118	70	177	303	11	160	5	488	1	148	2,330	78
Chile	0	1	0	0	0	0	1	1	(s)	0	0	(s)	3	(s)
China, Taiwan	314	1	0	0	0	478	(s)	54	1	2	(s)	3	852	28
Colombia	0	0	0	0	0	0	3	6	(s)	0	0	(s)	9	(s)
Costa Rica	0	(s)	0	0	0	0	3	7	(s)	0	(s)	3	13	(s)
Denmark	0	(s)	0	0	0	0	(s)	1	(s)	163	0	1	166	6
Dominican Republic	0	27	0	0	0	0	0	2	0	0	0	1	30	1
Ecuador	0	0	0	0	0	0	0	2	(s)	0	0	(s)	2	(s)
Egypt	0	0	0	0	0	0	0	1	0	0	(s)	0	1	(s)
El Salvador	0	0	8	0	0	0	1	7	0	0	0	(s)	17	1
Finland	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
France	0	(s)	0	0	0	107	1	3	17	232	0	86	446	15
French Pacific Isl	0	0	0	0	0	325	0	(s)	0	0	0	0	325	11
Ghana	0	0	0	0	0	0	0	(s)	0	45	0	0	45	1
Greece	0	1	0	0	0	0	0	1	0	130	0	0	132	4
Guatemala	0	71	207	21	301	0	2	7	0	(s)	0	(s)	609	20
Honduras	0	(s)	0	0	0	0	1	2	(s)	0	0	2	6	(s)
Hong Kong	0	1	0	0	0	0	0	1	(s)	0	(s)	(s)	2	(s)
India	0	0	0	0	0	0	0	4	0	(s)	0	1	5	(s)
Indonesia	0	0	0	0	0	0	2	3	(s)	0	0	0	6	(s)
Israel	0	0	0	0	0	0	0	1	(s)	(s)	0	(s)	1	(s)
Italy	0	0	0	0	0	0	2	8	(s)	1,288	(s)	69	1,367	46
Jamaica	0	29	0	0	56	0	(s)	4	0	(s)	0	1	90	3
Japan	0	2	150	290	655	49	24	40	3	1,552	0	84	2,849	95
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic of	0	20	1	0	0	920	4	164	1	(s)	0	35	1,146	38
Kuwait	0	0	0	0	0	0	(s)	(s)	0	0	0	0	(s)	(s)
Lebanon	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	4	1	0	0	1	5	(s)
Mexico	0	543	(s)	(s)	0	1,078	2	83	9	75	0	8	1,798	60
Netherlands	0	(s)	0	0	0	0	0	4	1	133	(s)	3	140	5
Netherlands Antilles	0	0	0	0	0	873	0	2	0	0	0	(s)	875	29
New Zealand	0	0	0	0	0	0	0	1	(s)	0	0	1	2	(s)
Nigeria	0	0	0	0	0	0	0	57	(s)	0	(s)	0	58	2
Norway	0	1	0	0	0	0	0	(s)	0	133	0	0	135	4
Panama	0	0	0	0	0	114	(s)	32	0	0	0	0	146	5
Peru	0	(s)	0	0	0	0	(s)	(s)	(s)	0	(s)	(s)	1	(s)
Philippines	0	0	0	0	0	0	2	9	(s)	0	0	(s)	10	(s)
Puerto Rico	0	6	1	0	0	81	3	82	1	11	(s)	6	191	6
South Africa	0	0	0	0	0	0	0	1	(s)	33	0	(s)	34	1
Saudi Arabia	0	12	0	0	0	0	(s)	11	0	0	(s)	4	27	1
Singapore	0	0	0	0	0	415	3	8	(s)	(s)	0	3	429	14

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, April 1988 (continued)
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	3	(s)	507	0	181	691	23
Surinam	0	0	0	0	0	0	(s)	(s)	0	0	0	0	1	(s)
Sweden	0	0	0	0	0	0	0	2	0	0	(s)	(s)	2	(s)
Switzerland	0	0	0	0	0	0	0	(s)	(s)	0	0	(s)	1	(s)
Thailand	0	0	0	0	0	0	2	5	(s)	0	(s)	98	105	4
Trinidad and Tobago	0	1	0	0	0	0	(s)	(s)	0	0	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	10	0	0	0	0	10	(s)
United Arab Emirates	0	0	0	0	0	0	0	3	0	58	0	5	66	2
United Kingdom	0	(s)	0	0	0	0	(s)	9	(s)	2	1	14	27	1
U.S.S.R.	0	0	0	0	0	25	0	118	0	0	0	0	143	5
Uruguay	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Venezuela	0	4	0	0	0	0	(s)	4	(s)	83	0	(s)	93	3
Virgin Islands	2,777	0	0	0	0	0	0	(s)	0	0	0	0	2,777	93
Germany FD (W)	0	2	0	0	0	0	3	10	2	24	(s)	11	53	2
Yugoslavia	0	0	0	0	0	0	0	(s)	0	57	0	0	57	2
Other	0	32	0	0	79	158	1	20	(s)	133	(s)	3	426	14
Total	**3,433**	**1,298**	**553**	**395**	**1,268**	**5,095**	**91**	**1,021**	**43**	**6,296**	**4**	**782**	**20,279**	**676**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.
[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.
(s) = Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, May 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	(s)	0	0	0	0	1	1	(s)	0	0	(s)	2	(s)
Australia	0	(s)	0	0	223	413	11	13	1	175	(s)	1	836	27
Bahama Islands	0	0	118	105	137	170	0	4	0	0	0	0	535	17
Bahrain	0	(s)	0	0	0	0	0	0	0	64	0	(s)	64	2
Belgium & Luxembourg	0	0	0	0	0	0	(s)	13	(s)	463	(s)	2	478	15
Brazil	0	0	0	0	0	0	0	17	(s)	0	0	(s)	18	1
Cameroon	0	0	0	0	0	0	0	0	0	38	0	0	38	1
Canada	142	526	30	95	147	602	10	120	33	394	2	136	2,238	72
Chile	0	1	0	0	0	0	3	38	(s)	0	(s)	(s)	42	1
China, Taiwan	0	2	0	0	0	1,085	0	48	(s)	2	(s)	7	1,145	37
Colombia	0	0	0	0	0	0	0	1	(s)	0	0	(s)	2	(s)
Costa Rica	0	0	0	0	0	0	2	9	0	19	0	3	34	1
Denmark	0	0	0	0	0	0	0	(s)	(s)	118	0	4	122	4
Dominican Republic	0	1	0	0	(s)	0	(s)	1	0	0	0	(s)	1	(s)
Ecuador	0	0	0	0	0	0	(s)	10	(s)	0	(s)	0	11	(s)
Egypt	0	0	0	0	0	0	0	(s)	0	135	0	0	136	4
El Salvador	0	0	0	0	0	0	0	5	0	0	0	1	5	(s)
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	0	0	0	0	0	0	2	1	108	0	60	170	5
French Pacific Isl	0	0	0	0	0	35	0	(s)	0	0	0	0	35	1
Ghana	0	0	0	0	0	0	0	0	0	44	0	0	44	1
Greece	0	2	0	0	0	0	0	1	0	0	0	(s)	3	(s)
Guatemala	0	43	0	0	(s)	0	0	16	0	0	0	1	61	2
Guinea	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Honduras	0	16	0	0	0	0	1	11	0	0	0	3	31	1
Hong Kong	0	1	0	0	0	0	0	1	(s)	0	0	(s)	2	(s)
India	0	0	0	0	0	0	0	32	(s)	0	(s)	1	34	1
Indonesia	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Israel	0	(s)	16	0	0	0	0	12	0	(s)	0	(s)	28	1
Italy	0	0	0	0	0	0	0	3	1	702	0	180	886	29
Ivory Coast	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Jamaica	0	47	0	0	0	220	(s)	1	(s)	0	0	(s)	269	9
Japan	0	1	551	0	1,065	673	276	31	3	1,112	0	47	3,761	121
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic of	0	6	0	0	0	209	(s)	6	(s)	118	0	85	425	14
Kuwait	0	(s)	0	0	0	0	0	1	0	0	0	0	2	(s)
Lebanon	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	2	1	0	0	2	4	(s)
Mexico	0	450	1	0	0	1,341	11	119	17	100	0	11	2,050	66
Netherlands	0	0	10	0	0	0	(s)	29	1	965	(s)	27	1,031	33
Netherlands Antilles	0	0	0	0	65	597	0	2	0	0	0	(s)	664	21
New Zealand	0	(s)	0	0	0	0	4	1	(s)	(s)	1	1	7	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
Norway	0	0	0	0	(s)	0	0	1	0	0	0	(s)	1	(s)
Pacific Trust Terr.	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Panama	0	0	98	0	229	234	0	2	0	0	0	1	565	18
Peru	0	0	0	0	226	0	(s)	28	(s)	0	0	(s)	255	8
Philippines	0	0	0	0	0	0	1	10	(s)	0	0	1	12	(s)
Puerto Rico	746	35	3	0	0	1	(s)	40	1	0	0	10	836	27
South Africa	0	0	0	0	0	0	0	1	(s)	0	(s)	7	9	(s)
Saudi Arabia	0	10	0	0	0	0	0	10	0	(s)	0	2	22	1
Singapore	0	1	0	0	0	1,598	(s)	8	(s)	(s)	0	2	1,610	52

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, May 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	202	959	(s)	1	4	657	0	1	1,825	59
Sweden	0	0	0	0	0	0	0	1	(s)	288	(s)	(s)	290	9
Switzerland	0	0	0	0	0	0	(s)	1	0	0	(s)	(s)	1	(s)
Thailand	0	0	0	0	0	0	0	1	(s)	0	0	0	2	(s)
Trinidad and Tobago	0	(s)	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	0	(s)	67	0	0	67	2
United Arab Emirates	0	0	0	0	0	5	0	28	0	47	0	(s)	80	3
United Kingdom	0	2	24	0	(s)	0	(s)	7	(s)	547	1	3	585	19
U.S.S.R.	0	0	0	0	0	0	0	57	0	76	0	0	133	4
Uruguay	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Venezuela	0	2	0	3	0	0	3	4	(s)	88	0	(s)	101	3
Virgin Islands	3,397	0	0	0	0	0	0	1	0	0	0	1	3,399	110
Germany FD (W)	0	0	1	0	0	0	(s)	5	(s)	113	(s)	10	131	4
Yugoslavia	0	0	0	0	0	0	0	0	0	55	0	0	55	2
Other	0	(s)	(s)	0	0	0	(s)	17	(s)	10	1	1	30	1
Total	**4,285**	**1,149**	**853**	**203**	**2,295**	**8,142**	**327**	**780**	**65**	**6,508**	**7**	**615**	**25,229**	**814**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, June 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	2	12	(s)	(s)	(s)	0	15	1
Australia	0	(s)	0	0	0	369	(s)	6	1	518	0	1	894	30
Bahama Islands	0	17	49	15	404	607	0	6	0	0	0	0	1,098	37
Bahrain	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Belgium & Luxembourg	0	0	0	0	0	0	0	14	3	434	(s)	(s)	451	15
Brazil	0	(s)	1	0	0	0	0	19	(s)	96	(s)	1	118	4
Cameroon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Canada	415	549	506	48	301	289	14	218	5	271	55	158	2,829	94
Chile	0	1	0	0	0	0	(s)	3	0	0	(s)	(s)	4	(s)
China, Taiwan	0	3	0	0	1	917	(s)	56	1	2	0	9	990	33
Colombia	0	0	0	0	0	0	2	21	(s)	(s)	0	0	23	1
Costa Rica	0	0	0	0	(s)	0	6	10	(s)	(s)	(s)	6	22	1
Denmark	0	0	0	0	0	0	0	1	(s)	0	(s)	0	1	(s)
Dominican Republic	0	0	0	0	0	0	0	3	(s)	(s)	0	1	5	(s)
Ecuador	0	(s)	50	0	0	0	1	24	(s)	0	(s)	2	77	3
Egypt	0	0	0	0	0	0	0	3	0	0	0	1	4	(s)
El Salvador	0	0	0	0	0	0	(s)	2	0	0	0	(s)	2	(s)
Finland	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
France	0	(s)	(s)	0	0	0	0	1	1	634	0	258	895	30
French Pacific Isl	0	0	0	0	0	32	0	(s)	0	0	0	0	32	1
Ghana	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
Greece	0	(s)	0	0	0	0	2	(s)	0	140	0	(s)	143	5
Guatemala	0	122	214	8	294	0	3	14	(s)	0	0	6	662	22
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	(s)	0	0	0	0	0	1	2	0	0	(s)	3	(s)
Hong Kong	0	(s)	0	0	0	0	0	5	(s)	0	0	1	6	(s)
India	0	1	0	0	0	0	0	7	(s)	0	0	1	9	(s)
Indonesia	0	0	0	0	0	0	0	7	0	0	0	0	7	(s)
Israel	0	0	22	240	0	0	0	5	0	0	0	(s)	268	9
Italy	0	0	0	0	0	0	1	3	1	646	0	3	654	22
Ivory Coast	0	0	0	0	0	0	0	19	0	0	0	0	19	1
Jamaica	0	0	0	0	54	385	(s)	4	0	0	0	1	444	15
Japan	0	2	662	0	303	1,123	25	53	3	2,577	0	60	4,808	160
Jordan	0	0	0	0	0	0	0	3	0	0	0	0	3	(s)
Korea, Republic of	0	7	0	0	67	265	4	25	1	(s)	0	87	456	15
Kuwait	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
Lebanon	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	(s)	0	0	0	0	0	(s)	(s)	0	(s)	(s)	1	(s)
Mexico	0	338	0	0	0	1,177	4	85	9	82	0	14	1,710	57
Netherlands	0	35	0	0	0	0	1	14	(s)	1,083	(s)	121	1,254	42
Netherlands Antilles	0	0	0	0	0	272	0	1	0	0	0	(s)	272	9
New Zealand	0	0	0	0	0	0	0	2	(s)	145	0	1	148	5
Nigeria	0	0	0	0	0	0	0	28	0	0	0	0	28	1
Norway	0	1	0	0	0	0	0	(s)	0	338	0	0	339	11
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Panama	0	20	71	0	174	176	(s)	4	0	0	0	0	445	15
Peru	0	1	0	153	169	0	0	3	0	(s)	0	1	326	11
Philippines	0	(s)	0	0	0	0	0	2	(s)	0	0	(s)	3	(s)
Puerto Rico	0	5	0	0	203	(s)	3	20	(s)	0	0	9	239	8
South Africa	0	0	0	0	0	0	0	(s)	(s)	77	(s)	0	78	3
Saudi Arabia	0	0	0	0	0	0	0	4	0	0	0	1	5	(s)
Singapore	0	(s)	0	0	178	957	1	4	(s)	(s)	0	2	1,143	38

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, June 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	808	0	2	(s)	464	(s)	63	1,337	45
Surinam	0	18	0	0	0	0	0	1	0	0	0	0	19	1
Sweden	0	0	0	0	0	0	1	1	(s)	0	0	(s)	2	(s)
Switzerland	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Thailand	0	(s)	0	0	0	0	(s)	7	(s)	0	0	(s)	7	(s)
Trinidad and Tobago	0	0	0	0	80	0	107	(s)	0	0	0	(s)	188	6
Turkey	0	0	0	0	0	0	0	(s)	0	643	0	0	643	21
United Arab Emirates	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
United Kingdom	0	1	31	0	0	0	0	2	(s)	0	1	79	115	4
U.S.S.R.	0	0	0	0	0	0	0	231	0	71	0	0	302	10
Uruguay	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Venezuela	0	1	0	0	0	0	1	3	(s)	112	0	1	119	4
Virgin Islands	3,713	1	7	0	0	0	0	(s)	0	0	0	2	3,723	124
Germany FD (W)	0	2	0	0	0	0	1	9	1	38	1	1	53	2
Yugoslavia	0	0	0	0	0	0	0	1	0	56	1	1	58	2
Other	0	(s)	147	0	39	101	1	33	(s)	295	(s)	4	622	21
Total	**4,128**	**1,126**	**1,760**	**463**	**2,267**	**7,479**	**182**	**1,016**	**30**	**8,723**	**60**	**900**	**28,135**	**938**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, July 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	(s)	0	0	0	256	1	9	(s)	0	0	(s)	266	9
Australia	0	1	0	0	0	27	13	7	(s)	246	0	1	295	10
Bahama Islands	0	11	30	18	192	236	0	1	0	0	0	(s)	489	16
Bahrain	0	0	0	0	0	0	0	0	0	64	0	0	64	2
Belgium & Luxembourg	0	(s)	0	0	0	0	4	22	1	1,366	(s)	(s)	1,394	45
Brazil	0	2	0	0	0	0	0	40	(s)	0	0	(s)	43	1
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	48	479	93	87	294	442	6	124	63	374	40	134	2,183	70
Chile	0	(s)	0	0	0	0	0	18	(s)	(s)	0	(s)	19	1
China, Taiwan	334	0	0	0	5	795	0	49	(s)	1	(s)	15	1,199	39
Colombia	0	0	126	0	0	0	3	1	(s)	(s)	0	(s)	131	4
Costa Rica	0	0	0	0	0	0	1	25	(s)	0	0	2	28	1
Denmark	0	(s)	0	0	0	0	0	(s)	0	120	0	0	121	4
Dominican Republic	0	0	4	0	0	0	2	4	0	0	0	(s)	11	(s)
Ecuador	0	0	0	0	0	0	(s)	1	0	0	0	(s)	2	(s)
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
El Salvador	0	0	0	0	0	0	0	2	0	0	0	1	4	(s)
Finland	0	0	0	0	0	0	0	(s)	0	174	0	(s)	174	6
France	0	0	0	0	0	0	0	5	2	55	(s)	1	63	2
French Pacific Isl	0	(s)	0	0	0	498	(s)	1	0	0	0	0	499	16
Ghana	0	0	0	0	0	0	(s)	1	0	52	0	(s)	54	2
Greece	0	0	0	0	0	0	0	2	0	66	0	0	68	2
Guatemala	0	105	20	0	19	0	0	8	(s)	0	0	(s)	153	5
Guinea	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Honduras	0	(s)	0	0	0	0	0	4	(s)	0	0	(s)	4	(s)
Hong Kong	0	0	0	0	0	0	(s)	5	(s)	0	0	(s)	6	(s)
India	0	(s)	0	0	0	0	0	0	(s)	0	0	1	1	(s)
Indonesia	0	0	0	0	0	0	0	2	(s)	0	0	(s)	2	(s)
Israel	0	0	0	0	0	0	11	(s)	0	0	0	(s)	11	(s)
Italy	0	0	0	0	0	0	0	7	(s)	455	0	8	470	15
Jamaica	0	55	45	0	83	430	(s)	(s)	(s)	0	0	1	614	20
Japan	0	15	29	0	420	168	111	102	4	2,513	0	33	3,395	110
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic of	0	7	1	0	174	521	31	21	1	55	0	39	850	27
Kuwait	0	0	0	0	0	0	(s)	1	0	0	0	0	1	(s)
Lebanon	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	3	(s)	0	0	(s)	4	(s)
Mexico	0	377	1	0	0	1,540	11	90	15	94	(s)	25	2,152	69
Netherlands	0	2	0	0	0	0	76	17	1	1,509	0	12	1,618	52
Netherlands Antilles	0	0	9	2	0	673	1	2	0	0	0	(s)	687	22
New Zealand	0	0	0	0	0	0	1	1	0	125	0	1	127	4
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	0	0	0	0	0	0	(s)	0	71	(s)	0	71	2
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	0	0	0	0	209	1	67	0	0	0	(s)	277	9
Peru	0	0	0	0	220	0	(s)	2	0	0	0	0	222	7
Philippines	0	0	0	0	0	0	1	2	(s)	0	(s)	1	5	(s)
Puerto Rico	390	17	4	0	105	3	3	30	1	0	0	10	563	18
South Africa	0	0	0	0	0	0	0	(s)	(s)	0	0	1	1	(s)
Saudi Arabia	0	14	0	0	0	0	0	6	0	(s)	0	1	21	1
Singapore	0	2	0	0	148	412	2	5	(s)	1	(s)	24	594	19

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, July 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	2	(s)	635	0	83	720	23
Surinam	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)	(s)
Sweden	0	0	0	0	0	0	0	1	(s)	19	(s)	(s)	21	1
Switzerland	0	0	0	0	0	0	(s)	1	0	0	(s)	1	2	(s)
Thailand	0	1	0	0	0	0	0	3	0	0	0	99	103	3
Trinidad and Tobago	0	3	0	0	0	0	0	(s)	0	0	0	1	3	(s)
Turkey	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
United Arab Emirates	0	0	0	0	0	0	(s)	3	0	0	(s)	(s)	3	(s)
United Kingdom	0	1	0	0	0	0	(s)	14	(s)	2	1	105	122	4
U.S.S.R.	0	0	0	0	0	0	0	52	0	0	0	0	52	2
Uruguay	0	0	0	0	0	182	0	2	0	0	0	0	184	6
Venezuela	0	0	0	0	0	0	1	2	(s)	88	(s)	1	93	3
Virgin Islands	4,993	0	0	0	0	0	0	(s)	0	0	0	0	4,993	161
Germany FD (W)	0	1	(s)	0	(s)	0	(s)	5	(s)	65	(s)	(s)	72	2
Yugoslavia	0	0	0	0	0	0	(s)	1	0	0	0	(s)	1	(s)
Other	0	4	3	0	138	0	2	18	(s)	113	1	1	279	9
Total	**5,765**	**1,097**	**365**	**107**	**1,796**	**6,390**	**283**	**796**	**90**	**8,264**	**43**	**605**	**25,604**	**826**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, August 1988
(Thousand Barrels)

Destination	Crude Oil 1	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other2	Total	Total (Daily Average)
Argentina	0	22	0	0	220	0	0	12	(s)	(s)	0	(s)	254	8
Australia	0	9	0	0	6	0	(s)	6	(s)	184	(s)	4	210	7
Bahama Islands	0	22	66	16	433	310	0	3	0	0	(s)	(s)	849	27
Bahrain	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
Belgium & Luxembourg	0	(s)	0	0	0	0	1	29	5	423	0	1	458	15
Brazil	0	0	0	0	263	0	0	35	(s)	55	0	0	353	11
Cameroon	0	0	0	0	0	0	0	(s)	0	38	0	0	38	1
Canada	150	787	44	378	300	141	8	206	5	463	73	125	2,681	86
Chile	0	(s)	0	0	211	0	0	22	(s)	(s)	(s)	1	235	8
China, Taiwan	0	(s)	0	0	0	2,426	2	52	11	2	0	10	2,503	81
Colombia	0	0	0	0	0	0	0	4	(s)	(s)	(s)	(s)	5	(s)
Costa Rica	0	0	0	0	0	0	5	13	(s)	0	0	4	22	1
Denmark	0	0	0	0	1	0	(s)	(s)	(s)	0	0	(s)	2	(s)
Dominican Republic	0	19	0	0	1	0	0	3	0	0	0	1	24	1
Ecuador	0	0	1	0	0	0	0	32	(s)	0	0	1	34	1
Egypt	0	0	0	0	0	0	0	1	0	132	0	0	133	4
El Salvador	0	0	0	0	0	0	0	7	(s)	0	0	1	9	(s)
Finland	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
France	0	0	0	0	0	0	0	3	22	0	0	1	26	1
French Pacific Isl	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	53	0	0	53	2
Greece	0	(s)	0	0	0	0	0	1	0	454	0	(s)	455	15
Guatemala	0	119	96	8	78	0	3	8	(s)	0	0	(s)	312	10
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	8	25	20	0	45	0	1	(s)	0	0	1	101	3
Hong Kong	0	0	0	0	0	0	1	4	0	0	0	(s)	5	(s)
India	0	(s)	0	0	0	0	1	8	(s)	0	0	0	10	(s)
Indonesia	0	0	0	0	0	0	0	(s)	(s)	0	(s)	0	1	(s)
Israel	0	0	0	0	0	0	0	1	(s)	0	0	(s)	1	(s)
Italy	0	0	0	0	0	0	(s)	2	1	1,047	(s)	93	1,144	37
Jamaica	0	15	53	0	109	181	0	8	1	0	0	(s)	368	12
Japan	0	(s)	33	38	0	391	232	43	4	2,331	0	171	3,243	105
Jordan	0	0	0	0	0	0	0	1	0	0	0	(s)	1	(s)
Korea, Republic of	0	4	0	0	0	22	1	19	(s)	278	0	99	422	14
Kuwait	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	121	0	0	121	4
Liberia	0	0	0	0	0	21	0	(s)	0	0	0	0	21	1
Malaysia	0	(s)	0	0	0	0	0	3	1	0	0	47	51	2
Mexico	0	424	1	(s)	0	1,674	3	100	10	50	(s)	10	2,272	73
Netherlands	0	5	0	0	0	0	21	2	1	157	(s)	1	187	6
Netherlands Antilles	0	0	0	0	14	909	0	1	0	0	0	(s)	924	30
New Zealand	0	0	0	0	0	0	0	1	(s)	(s)	0	2	3	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	1	0	0	0	0	(s)	(s)	0	31	0	0	32	1
Pacific Trust Terr.	0	3	0	0	0	0	0	(s)	0	0	0	0	3	(s)
Panama	0	0	160	0	72	0	(s)	3	(s)	0	(s)	(s)	235	8
Peru	0	0	0	0	261	0	(s)	3	0	(s)	0	(s)	264	9
Philippines	0	29	0	0	0	0	1	1	(s)	0	0	114	145	5
Puerto Rico	779	1	0	0	(s)	0	(s)	29	1	0	(s)	35	846	27
South Africa	0	1	0	0	0	0	0	1	(s)	0	0	0	2	(s)
Saudi Arabia	0	7	0	0	0	0	1	3	0	0	(s)	5	15	(s)
Singapore	0	(s)	0	0	0	289	1	10	(s)	28	0	2	330	11

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, August 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	553	0	10	(s)	791	0	(s)	1,355	44
Surinam	0	0	0	0	0	0	0	(s)	0	8	0	(s)	9	(s)
Sweden	0	0	0	0	0	0	0	1	0	0	(s)	(s)	1	(s)
Switzerland	0	0	0	0	0	0	0	1	0	0	(s)	0	2	(s)
Thailand	0	1	0	0	0	0	(s)	4	(s)	0	(s)	3	9	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	(s)	0	(s)	1	(s)
Turkey	0	0	0	0	0	0	0	0	0	0	0	(s)	(s)	(s)
United Arab Emirates	0	0	0	0	0	0	0	8	0	(s)	(s)	(s)	8	(s)
United Kingdom	0	39	(s)	0	3	0	(s)	5	1	2	1	103	153	5
U.S.S.R.	0	0	0	0	0	0	0	29	0	0	0	0	29	1
Uruguay	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Venezuela	0	2	0	0	0	0	4	2	(s)	0	0	1	10	(s)
Virgin Islands	3,786	0	0	0	0	0	0	1	0	0	0	0	3,787	122
Germany FD (W)	0	1	0	0	0	0	(s)	23	1	91	1	1	117	4
Yugoslavia	0	0	0	0	0	0	0	0	0	6	0	0	6	(s)
Other	0	25	0	0	186	0	1	36	(s)	31	(s)	51	330	11
Total	**4,715**	**1,546**	**479**	**460**	**2,158**	**6,964**	**285**	**806**	**63**	**6,775**	**76**	**892**	**25,219**	**814**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, September 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	(s)	5	(s)	1	0	1	7	(s)
Australia	0	3	0	0	0	0	14	31	1	139	(s)	2	189	6
Bahama Islands	0	18	32	23	80	221	0	5	0	0	0	(s)	379	13
Bahrain	0	0	0	0	0	0	(s)	0	0	64	0	0	64	2
Belgium & Luxembourg	0	2	(s)	0	0	0	15	10	(s)	569	0	1	598	20
Brazil	0	0	1	0	0	0	0	19	0	66	0	(s)	86	3
Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canada	521	540	46	112	126	234	116	103	5	379	38	172	2,392	80
Chile	0	0	0	0	0	0	2	30	2	0	0	(s)	34	1
China, Taiwan	0	13	0	0	199	1,318	(s)	40	11	1	(s)	1	1,584	53
Colombia	0	0	0	0	0	0	0	13	0	(s)	0	(s)	13	(s)
Costa Rica	0	(s)	11	0	0	0	0	5	(s)	0	(s)	6	22	1
Denmark	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Dominican Republic	0	0	0	0	(s)	0	0	2	0	0	0	(s)	3	(s)
Ecuador	0	0	1	0	0	0	0	2	(s)	0	0	0	3	(s)
Egypt	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
El Salvador	0	17	89	0	78	0	0	(s)	0	0	0	30	214	7
Finland	0	0	0	0	0	0	0	(s)	0	0	(s)	0	(s)	(s)
France	0	1	0	0	0	0	(s)	3	1	810	0	87	901	30
French Pacific Isl	0	(s)	0	0	0	23	0	(s)	0	0	0	0	23	1
Ghana	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Greece	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Guatemala	0	25	139	26	201	0	0	5	0	0	0	1	398	13
Honduras	0	7	0	0	0	0	(s)	1	(s)	0	0	3	11	(s)
Hong Kong	0	2	0	0	0	0	(s)	6	(s)	(s)	0	1	9	(s)
India	0	0	0	0	0	0	0	46	(s)	0	0	8	54	2
Indonesia	0	(s)	0	0	0	0	0	2	0	97	0	(s)	100	3
Israel	0	0	0	0	0	0	(s)	4	(s)	148	0	(s)	153	5
Italy	0	1	0	0	0	0	(s)	2	2	659	(s)	8	672	22
Ivory Coast	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Jamaica	0	15	70	0	77	0	(s)	19	(s)	0	0	1	182	6
Japan	0	13	30	(s)	284	153	35	81	2	1,850	(s)	71	2,519	84
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Korea, Republic of	0	57	0	0	0	38	1	10	(s)	56	0	116	278	9
Kuwait	0	0	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Lebanon	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Liberia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	2	0	11	(s)	(s)	13	(s)
Mexico	0	495	20	(s)	(s)	652	7	93	18	83	0	7	1,375	46
Netherlands	0	1	0	0	0	0	98	22	(s)	993	1	22	1,137	38
Netherlands Antilles	0	0	0	0	0	314	0	1	0	0	0	(s)	315	11
New Zealand	0	0	0	0	0	0	3	5	0	0	0	1	9	(s)
Nigeria	0	0	0	0	0	0	0	4	0	0	0	0	4	(s)
Norway	0	0	0	0	0	0	0	(s)	0	160	0	1	161	5
Pacific Trust Terr.	0	(s)	0	0	0	0	0	1	0	0	0	0	1	(s)
Panama	0	(s)	0	0	200	50	0	32	(s)	0	(s)	7	289	10
Peru	0	0	20	213	909	0	0	34	(s)	0	0	(s)	1,175	39
Philippines	0	(s)	0	0	0	0	(s)	2	1	27	(s)	1	33	1
Puerto Rico	390	10	12	104	(s)	5	(s)	44	2	0	0	12	579	19
South Africa	0	0	0	0	(s)	0	0	1	(s)	77	0	(s)	79	3
Saudi Arabia	0	12	0	0	0	0	1	11	0	1	0	(s)	25	1
Singapore	0	1	0	0	0	0	0	3	(s)	(s)	(s)	1	5	(s)

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, September 1988 (Continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	0	1	0	265	(s)	131	397	13
Sweden	0	0	0	0	0	0	0	2	(s)	0	0	1	3	(s)
Switzerland	0	(s)	0	0	0	0	0	4	0	0	0	(s)	5	(s)
Thailand	0	0	0	0	0	0	0	4	(s)	0	(s)	1	5	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	7	0	132	0	(s)	139	5
United Arab Emirates	0	0	0	0	0	0	(s)	2	0	57	0	1	59	2
United Kingdom	0	39	0	0	0	0	0	13	(s)	250	1	51	354	12
U.S.S.R.	0	0	0	0	0	0	0	125	0	0	1	0	126	4
Uruguay	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Venezuela	0	1	0	0	0	0	(s)	7	(s)	(s)	0	(s)	9	(s)
Virgin Islands	2,662	0	0	0	0	0	0	1	0	0	0	1	2,664	89
Germany FD (W)	0	4	(s)	0	0	0	0	25	22	63	0	9	123	4
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	4	0	0	(s)	0	(s)	14	(s)	177	(s)	1	198	7
Total	**3,573**	**1,281**	**471**	**478**	**2,156**	**3,008**	**294**	**909**	**70**	**7,135**	**41**	**763**	**20,178**	**673**

[1] Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

[2] Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, October 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	10	(s)	2	0	0	12	(s)
Australia	0	1	0	0	0	0	1	8	1	190	0	2	202	7
Bahama Islands	0	0	31	12	85	150	(s)	4	0	0	0	0	282	9
Bahrain	0	0	0	0	0	0	0	(s)	0	65	0	(s)	65	2
Belgium & Luxembourg	0	3	0	0	0	0	8	13	(s)	800	0	2	826	27
Brazil	0	(s)	1	0	0	0	0	(s)	(s)	64	0	(s)	65	2
Cameroon	0	0	0	0	0	0	0	(s)	0	75	0	0	75	2
Canada	93	454	59	24	595	237	8	81	4	80	2	166	1,804	58
Chile	0	0	0	0	0	0	1	12	0	0	0	1	13	(s)
China, Taiwan	0	14	0	0	0	2,368	0	42	(s)	81	(s)	8	2,513	81
Colombia	0	0	0	0	0	0	(s)	1	(s)	(s)	0	(s)	2	(s)
Costa Rica	0	1	0	0	(s)	0	5	8	(s)	(s)	0	8	22	1
Denmark	0	0	0	0	0	0	(s)	(s)	(s)	115	0	(s)	116	4
Dominican Republic	0	18	0	0	0	0	(s)	4	(s)	0	0	(s)	23	1
Ecuador	0	0	0	0	0	0	0	25	(s)	0	(s)	(s)	25	1
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
El Salvador	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
Finland	0	0	0	0	0	0	0	1	0	0	0	1	2	(s)
France	0	25	0	0	0	0	(s)	2	12	55	0	47	141	5
French Pacific Isl	0	0	0	0	0	414	0	1	0	0	0	0	415	13
Ghana	0	0	0	0	0	0	0	1	0	44	0	0	45	1
Greece	0	0	0	0	0	0	0	(s)	0	335	0	(s)	335	11
Guatemala	0	62	0	0	0	0	1	18	0	0	0	7	88	3
Guinea	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Honduras	0	0	0	0	0	0	2	1	0	0	0	(s)	3	(s)
Hong Kong	0	0	0	0	0	0	0	1	(s)	0	0	(s)	2	(s)
India	0	0	0	0	0	0	0	1	(s)	0	0	6	7	(s)
Indonesia	0	(s)	0	0	0	0	0	2	0	0	(s)	0	3	(s)
Israel	0	1	0	0	0	0	0	(s)	0	0	0	1	2	(s)
Italy	0	1	0	0	0	0	0	1	1	767	(s)	198	967	31
Ivory Coast	0	0	0	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Jamaica	0	(s)	0	0	0	200	(s)	1	0	0	0	(s)	202	7
Japan	0	18	0	77	285	375	48	24	2	2,012	0	100	2,942	95
Jordan	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Korea, Republic of	0	12	0	0	1	0	4	7	(s)	317	0	2	342	11
Kuwait	0	0	0	0	0	0	(s)	1	0	0	0	1	3	(s)
Lebanon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	3	2	(s)	0	0	(s)	5	(s)
Mexico	0	1,025	115	0	(s)	1,405	9	89	12	66	0	5	2,728	88
Netherlands	0	0	0	0	0	0	(s)	9	(s)	421	(s)	(s)	431	14
Netherlands Antilles	0	0	0	0	(s)	219	0	1	0	0	0	(s)	221	7
New Zealand	0	0	0	0	0	0	0	(s)	(s)	(s)	0	1	1	(s)
Nigeria	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Norway	0	0	0	0	0	0	0	(s)	0	88	0	(s)	88	3
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	1	(s)
Panama	0	(s)	46	0	0	96	0	3	0	0	0	4	149	5
Peru	0	(s)	0	0	0	0	(s)	30	(s)	(s)	0	(s)	30	1
Philippines	0	(s)	0	0	0	0	0	3	(s)	0	0	(s)	3	(s)
Puerto Rico	448	7	118	15	0	3	4	28	2	0	0	11	635	20
South Africa	0	45	0	0	0	0	0	1	0	26	(s)	0	72	2
Saudi Arabia	0	14	0	0	(s)	0	0	6	(s)	0	0	3	23	1
Singapore	0	1	0	0	0	0	6	4	(s)	28	(s)	9	48	2

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, October 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	327	0	0	1	0	648	0	1	978	32
Surinam	0	0	0	0	0	0	0	2	0	6	0	0	7	(s)
Sweden	0	0	0	0	0	0	0	2	(s)	0	0	(s)	2	(s)
Switzerland	0	(s)	0	0	(s)	0	0	2	(s)	0	0	(s)	4	(s)
Thailand	0	(s)	0	0	0	0	2	1	0	(s)	0	1	4	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	0	0	(s)	(s)	(s)
Turkey	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
United Arab Emirates	0	0	0	0	0	0	0	1	0	58	0	0	59	2
United Kingdom	0	1	21	0	(s)	0	(s)	3	1	171	(s)	11	210	7
U.S.S.R.	0	0	0	0	0	0	0	56	0	72	0	0	128	4
Uruguay	0	0	16	0	0	0	0	1	0	0	0	0	17	1
Venezuela	0	(s)	0	0	0	0	(s)	16	(s)	177	0	1	195	6
Virgin Islands	4,616	0	0	(s)	0	125	0	1	0	0	0	1	4,743	153
Germany FD (W)	0	2	0	0	0	0	(s)	7	1	86	(s)	3	101	3
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	33	4	3	194	14	0	10	1	0	1	6	266	9
Total	**5,157**	**1,741**	**410**	**131**	**1,489**	**5,605**	**104**	**561**	**39**	**6,848**	**5**	**611**	**22,703**	**732**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, November 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	5	(s)	0	0	0	5	(s)
Australia	0	1	0	0	24	0	(s)	11	(s)	149	(s)	8	194	6
Bahama Islands	0	0	39	32	35	134	0	4	0	0	0	0	244	8
Bahrain	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Belgium & Luxembourg	0	89	0	0	0	0	19	25	(s)	639	(s)	5	776	26
Brazil	0	1	1	0	0	33	7	2	(s)	55	(s)	1	100	3
Cameroon	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Canada	379	857	16	11	294	116	12	85	4	788	1	217	2,780	93
Chile	0	0	0	0	0	0	(s)	2	(s)	(s)	(s)	1	3	(s)
China, Taiwan	0	1	0	0	1	1,447	2	45	2	3	(s)	9	1,511	50
Colombia	0	0	0	0	0	0	3	14	0	(s)	0	(s)	18	1
Costa Rica	0	0	0	0	0	0	3	10	(s)	0	0	7	21	1
Denmark	0	(s)	0	0	0	0	(s)	(s)	0	0	(s)	(s)	2	(s)
Dominican Republic	0	(s)	(s)	0	1	0	4	5	(s)	0	0	(s)	10	(s)
Ecuador	0	0	0	0	0	0	0	2	0	0	0	(s)	3	(s)
Egypt	0	(s)	0	0	0	0	0	4	0	0	0	1	5	(s)
El Salvador	0	0	0	0	0	0	0	3	0	0	0	(s)	4	(s)
Finland	0	0	0	0	0	0	0	(s)	0	0	0	1	1	(s)
France	0	44	0	0	0	0	1	3	19	259	0	211	537	18
French Pacific Isl	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Ghana	0	0	0	0	0	0	0	(s)	0	45	(s)	0	45	1
Greece	0	3	0	0	0	0	0	(s)	0	0	0	(s)	3	(s)
Guatemala	0	49	141	22	168	169	0	4	(s)	0	0	(s)	554	18
Honduras	0	0	0	0	(s)	0	0	1	(s)	0	0	(s)	2	(s)
Hong Kong	0	0	0	0	0	0	(s)	2	1	0	0	(s)	4	(s)
India	0	0	0	0	0	0	17	5	(s)	0	0	(s)	22	1
Indonesia	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
Israel	0	1	0	0	0	0	(s)	2	0	0	0	0	3	(s)
Italy	0	38	0	0	0	0	0	1	(s)	501	(s)	1	542	18
Jamaica	0	12	0	0	83	315	(s)	4	(s)	0	0	1	415	14
Japan	0	6	198	206	77	438	132	65	3	1,484	0	25	2,635	88
Jordan	0	0	0	0	0	0	0	1	0	0	0	1	2	(s)
Korea, Republic of	0	109	1	0	129	388	17	41	(s)	1	0	86	771	26
Kuwait	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Lebanon	0	0	0	0	0	0	0	1	0	227	0	(s)	228	8
Liberia	0	(s)	0	0	0	0	0	0	0	0	0	0	(s)	(s)
Malaysia	0	0	0	0	0	0	0	1	(s)	0	0	0	1	(s)
Mexico	0	849	50	0	1	1,319	5	83	8	84	1	15	2,416	81
Netherlands	0	27	(s)	0	0	19	103	9	(s)	442	0	319	919	31
Netherlands Antilles	0	0	0	0	0	0	0	3	0	0	0	(s)	3	(s)
New Zealand	0	1	0	0	0	0	0	1	0	(s)	0	3	5	(s)
Nigeria	0	0	0	0	0	0	0	3	0	0	0	0	3	(s)
Norway	0	0	0	0	0	0	0	(s)	(s)	0	0	0	(s)	(s)
Panama	0	(s)	0	2	23	0	0	2	(s)	0	(s)	3	30	1
Peru	0	7	0	0	197	0	0	2	(s)	0	0	(s)	206	7
Philippines	0	0	0	0	0	0	0	7	(s)	0	0	(s)	7	(s)
Puerto Rico	901	5	0	0	0	1	(s)	33	1	0	0	10	951	32
South Africa	0	(s)	0	0	0	0	0	1	(s)	0	(s)	0	2	(s)
Saudi Arabia	0	6	0	0	0	0	0	3	0	1	0	1	10	(s)
Singapore	0	1	0	0	0	0	(s)	7	(s)	(s)	0	6	15	1

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, November 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	0	(s)	8	(s)	898	0	110	1,016	34
Surinam	0	18	0	0	0	0	0	0	0	8	0	0	26	1
Sweden	0	0	0	0	0	0	0	5	(s)	0	0	(s)	5	(s)
Switzerland	0	1	0	0	(s)	0	0	1	(s)	0	0	(s)	2	(s)
Thailand	0	(s)	0	0	0	0	0	4	(s)	0	0	2	7	(s)
Trinidad and Tobago	0	0	0	0	0	0	0	(s)	0	1	0	(s)	1	(s)
Turkey	0	(s)	0	0	0	0	0	2	0	0	0	0	3	(s)
United Arab Emirates	0	4	0	0	0	0	0	6	0	0	0	(s)	10	(s)
United Kingdom	0	0	0	0	0	0	(s)	3	(s)	701	1	51	756	25
U.S.S.R.	0	0	0	0	0	0	0	116	0	73	0	0	189	6
Uruguay	0	(s)	0	0	0	0	0	2	0	0	0	(s)	2	(s)
Venezuela	0	(s)	0	0	0	0	9	6	(s)	1	0	(s)	17	1
Virgin Islands	3,149	0	0	(s)	0	0	0	1	0	0	0	0	3,150	105
Germany FD (W)	0	2	0	0	1	0	(s)	5	(s)	243	(s)	1	252	8
Yugoslavia	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Other	0	7	0	0	0	0	2	17	1	28	1	5	62	2
Total	**4,429**	**2,141**	**447**	**274**	**1,033**	**4,379**	**338**	**682**	**43**	**6,631**	**5**	**1,107**	**21,508**	**717**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, December 1988
(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Argentina	0	0	0	0	0	0	0	5	(s)	0	0	(s)	5	(s)
Australia	0	1	0	0	2	421	0	10	(s)	336	0	3	774	25
Bahama Islands	0	0	77	11	257	954	0	5	0	0	0	(s)	1,305	42
Bahrain	0	0	0	0	0	0	0	(s)	(s)	64	0	1	65	2
Belgium & Luxembourg	0	(s)	0	0	0	0	(s)	26	(s)	1,297	(s)	2	1,326	43
Brazil	0	1	0	0	0	0	0	14	(s)	62	0	2	80	3
Cameroon	0	0	0	0	0	0	0	0	0	38	0	0	38	1
Canada	82	534	170	294	88	541	19	102	35	780	71	130	2,847	92
Chile	0	0	50	0	162	222	(s)	29	(s)	0	0	(s)	464	15
China, Taiwan	0	34	0	0	0	1,804	(s)	37	1	1	(s)	199	2,077	67
Colombia	0	1	25	0	0	0	2	4	(s)	1	0	3	34	1
Costa Rica	0	(s)	0	0	0	0	1	18	0	0	0	4	23	1
Denmark	0	0	0	0	0	0	0	(s)	(s)	0	(s)	0	(s)	(s)
Dominican Republic	0	0	0	0	81	58	0	3	0	0	0	1	142	5
Ecuador	0	(s)	10	0	0	0	0	23	(s)	0	0	2	35	1
Egypt	0	0	0	0	0	0	0	(s)	0	0	0	1	1	(s)
El Salvador	0	0	0	0	0	0	(s)	3	0	0	0	(s)	4	(s)
Finland	0	(s)	0	0	0	0	0	(s)	(s)	0	0	1	2	(s)
France	0	62	0	0	(s)	0	0	2	2	55	0	113	235	8
French Pacific Isl	0	0	0	0	0	33	0	(s)	0	0	0	0	33	1
Ghana	0	0	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Greece	0	0	0	0	0	0	0	(s)	0	194	0	0	194	6
Guatemala	0	79	0	0	0	0	1	11	(s)	0	0	(s)	91	3
Guinea	0	0	0	0	0	0	0	1	0	0	(s)	0	1	(s)
Honduras	0	0	0	0	0	0	(s)	19	(s)	0	0	(s)	20	1
Hong Kong	0	0	0	0	0	0	1	4	(s)	0	0	(s)	5	(s)
India	0	0	0	0	0	0	1	23	(s)	0	0	0	24	1
Indonesia	0	(s)	0	0	0	0	0	2	0	0	(s)	(s)	2	(s)
Israel	0	(s)	0	0	0	0	0	4	0	0	0	7	11	(s)
Italy	0	2	0	0	0	0	0	8	2	386	(s)	5	404	13
Jamaica	0	(s)	102	0	222	431	(s)	2	1	0	0	1	759	24
Japan	0	1	369	2,242	970	63	24	32	4	1,243	0	182	5,131	166
Jordan	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Korea, Republic of	0	50	0	0	342	1,260	0	261	(s)	1	0	104	2,017	65
Kuwait	0	(s)	0	(s)	0	0	0	2	0	0	0	0	2	(s)
Lebanon	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Liberia	0	(s)	0	0	0	0	0	0	0	0	0	(s)	1	(s)
Malaysia	0	0	0	0	0	0	0	1	(s)	0	0	0	2	(s)
Mexico	0	1,533	588	(s)	(s)	1,563	5	89	20	64	1	9	3,872	125
Netherlands	0	0	0	0	82	0	144	20	1	250	(s)	101	598	19
Netherlands Antilles	0	0	0	0	0	273	0	(s)	0	0	0	(s)	274	9
New Zealand	0	0	0	0	(s)	0	0	8	(s)	126	(s)	(s)	135	4
Nigeria	0	0	0	0	0	0	0	1	0	0	0	0	1	(s)
Norway	0	2	0	0	0	0	0	(s)	0	133	0	0	135	4
Pacific Trust Terr.	0	(s)	0	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Panama	0	11	0	0	24	432	(s)	2	0	0	0	3	473	15
Peru	0	(s)	0	0	200	0	(s)	25	(s)	0	0	1	225	7
Philippines	0	(s)	0	0	1	0	(s)	5	(s)	0	0	2	8	(s)
Puerto Rico	392	19	0	0	1	2	211	31	2	0	(s)	27	686	22
South Africa	0	45	0	0	0	0	0	(s)	(s)	0	0	27	72	2
Saudi Arabia	0	9	0	0	(s)	0	1	10	0	1	(s)	3	24	1
Singapore	0	(s)	0	0	(s)	0	0	26	(s)	(s)	0	16	44	1

See footnotes at end of table.

Table 17. Exports of Crude Oil and Petroleum Products by Destination, December 1988 (continued)

(Thousand Barrels)

Destination	Crude Oil [1]	LPG	Finished Motor Gasoline	Jet Fuel	Dist. Fuel Oil	Residual Fuel Oil	Special Naphthas	Lubri-cants	Waxes	Petro-leum Coke	Asphalt	Other[2]	Total	Total (Daily Average)
Spain	0	0	0	0	0	321	0	2	(s)	1,310	0	28	1,661	54
Surinam	0	12	0	0	0	0	0	1	0	0	0	0	14	(s)
Sweden	0	(s)	0	0	0	0	(s)	2	(s)	0	0	1	3	(s)
Switzerland	0	1	0	0	0	0	0	1	(s)	0	(s)	0	2	(s)
Thailand	0	0	0	0	0	0	0	1	(s)	0	0	2	3	(s)
Trinidad and Tobago	0	(s)	0	0	0	0	0	1	0	(s)	0	0	1	(s)
Turkey	0	0	0	0	0	0	0	8	0	220	0	0	228	7
United Arab Emirates	0	0	0	0	0	0	0	14	0	0	(s)	8	22	1
United Kingdom	0	83	0	0	2	0	(s)	3	(s)	117	1	73	281	9
U.S.S.R.	0	0	0	0	0	0	0	13	0	0	0	0	13	(s)
Uruguay	0	0	0	0	0	0	0	2	0	0	0	0	2	(s)
Venezuela	0	2	0	0	257	0	0	9	(s)	85	0	2	355	11
Virgin Islands	3,532	1	0	0	0	0	(s)	1	0	0	0	3	3,538	114
Germany FD (W)	0	123	0	0	1	0	(s)	5	(s)	88	2	9	229	7
Yugoslavia	0	0	0	0	0	0	0	(s)	0	52	0	0	52	2
Other	0	13	3	0	1	7	0	13	(s)	101	(s)	13	152	5
Total	**4,006**	**2,625**	**1,394**	**2,548**	**2,694**	**8,386**	**413**	**947**	**70**	**7,007**	**78**	**1,089**	**31,256**	**1,008**

1 Crude oil exports are restricted to: 1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; 2) certain domestically produced crude oil destined for Canada; and 3) shipments to U.S. territories.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F endpoint, other oils equal to or greater than 400 degrees F endpoint and miscellaneous products.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, January 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,361	--	--	--	12,588	--	--	--	--	--	47,464	1,950	23,442	98,805
Tank Farms and Pipelines	--	--	1,199	--	--	--	56,555	--	--	--	--	--	97,636	9,879	32,249	197,518
Leases	--	--	40	--	--	--	1,440	--	--	--	--	--	16,837	1,184	1,814	21,315
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	542,720	0	0	542,720
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	27,945	27,945
Total	--	--	14,600	--	--	--	70,583	--	--	--	--	--	704,657	13,013	85,450	888,303
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	42,950	3,348	46,298	36,700	6,625	15,518	58,843	9,386	74,720	48,134	5,987	1,165	139,392	12,359	63,169	320,061
Bulk Terminal	--	--	105,231	--	--	--	71,245	--	--	--	--	--	64,288	3,020	23,210	266,994
Pipeline	--	--	27,009	--	--	--	37,340	--	--	--	--	--	42,411	2,504	4,903	114,167
Natural Gas Processing Plant	57	55	112	506	47	1,648	2,201	1,139	2,601	847	160	126	4,873	205	78	7,469
Total	--	--	178,650	--	--	--	169,629	--	--	--	--	--	250,964	18,088	91,360	708,691
Pentanes Plus																
Refinery	17	0	17	154	69	120	343	264	203	116	1	23	607	2	22	991
Bulk Terminal	--	--	9	--	--	--	1,709	--	--	--	--	--	929	0	7	2,654
Pipeline	--	--	0	--	--	--	397	--	--	--	--	--	788	80	0	1,265
Natural Gas Processing Plant	4	14	18	28	11	371	410	336	295	255	65	21	972	72	20	1,492
Total	--	--	44	--	--	--	2,859	--	--	--	--	--	3,296	154	49	6,402
Liquefied Petroleum Gases																
Refinery	711	10	721	1,649	150	574	2,373	1,018	2,256	2,384	35	29	5,722	298	628	9,742
Bulk Terminal	--	--	1,515	--	--	--	13,116	--	--	--	--	--	33,512	56	665	48,864
Pipeline	--	--	1,132	--	--	--	6,958	--	--	--	--	--	6,458	433	0	14,981
Natural Gas Processing Plant	53	41	94	478	36	1,276	1,790	786	2,302	587	93	105	3,873	133	58	5,948
Total	--	--	3,462	--	--	--	24,237	--	--	--	--	--	49,565	920	1,351	79,535
Ethane																
Refinery	5	0	5	1	0	0	1	55	358	0	0	0	413	0	0	419
Bulk Terminal	--	--	2	--	--	--	2,212	--	--	--	--	--	12,763	0	0	14,977
Pipeline	--	--	0	--	--	--	1,301	--	--	--	--	--	2,130	134	0	3,565
Natural Gas Processing Plant	0	0	0	17	0	131	148	81	607	1	5	15	709	3	0	860
Total	--	--	7	--	--	--	3,662	--	--	--	--	--	16,015	137	0	19,821

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, January 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	387	3	390	971	34	156	1,161	372	965	1,034	8	3	2,382	54	174	4,161
Bulk Terminal	--	--	1,069	--	--	--	7,753	--	--	--	--	--	12,385	56	188	21,451
Pipeline	--	--	1,057	--	--	--	4,010	--	--	--	--	--	2,869	171	0	8,107
Natural Gas Processing Plant	15	34	49	419	26	773	1,218	431	686	374	37	49	1,577	84	41	2,969
Total	--	--	2,565	--	--	--	14,142	--	--	--	--	--	19,213	365	403	36,688
Normal Butane																
Refinery	266	7	273	413	71	301	785	318	431	978	8	17	1,752	140	323	3,273
Bulk Terminal	--	--	443	--	--	--	1,684	--	--	--	--	--	4,020	0	258	6,405
Pipeline	--	--	75	--	--	--	1,257	--	--	--	--	--	1,012	83	0	2,427
Natural Gas Processing Plant	35	5	40	23	10	275	308	228	620	184	34	32	1,098	40	11	1,497
Total	--	--	831	--	--	--	4,034	--	--	--	--	--	7,882	263	592	13,602
Isobutane																
Refinery	53	0	53	264	45	117	426	273	502	372	19	9	1,175	104	131	1,889
Bulk Terminal	--	--	1	--	--	--	1,467	--	--	--	--	--	4,344	0	219	6,031
Pipeline	--	--	0	--	--	--	390	--	--	--	--	--	447	45	0	882
Natural Gas Processing Plant	3	2	5	19	0	97	116	46	389	28	17	9	489	6	6	622
Total	--	--	59	--	--	--	2,399	--	--	--	--	--	6,455	155	356	9,424
Other Hydrocarbons and Alcohol																
Refinery	52	0	52	61	1	40	102	1	61	128	0	4	194	9	117	474
Total	--	--	52	--	--	--	102	--	--	--	--	--	194	9	117	474
Unfinished Oils																
Refinery																
Naphthas and Lighter	4,055	234	4,289	2,207	118	1,107	3,432	699	6,709	3,869	157	54	11,488	731	4,679	24,619
Kerosene and Light Gas Oils	2,958	158	3,116	1,533	58	371	1,962	479	5,531	2,682	151	3	8,846	242	3,606	17,772
Heavy Gas Oils	4,190	217	4,407	3,244	181	2,127	5,552	571	5,988	5,938	361	112	12,970	970	10,409	34,308
Residuum	880	128	1,008	2,268	3	1,161	3,432	366	5,801	3,292	109	0	9,568	356	4,921	19,285
Total	12,083	737	12,820	9,252	360	4,766	14,378	2,115	24,029	15,781	778	169	42,872	2,299	23,615	95,984

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, January 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	5,058	111	5,169	5,014	688	1,597	7,299	1,445	7,782	5,898	164	224	15,513	2,016	8,146	38,143
Bulk Terminal	--	--	197	--	--	--	298	--	--	--	--	--	754	25	8	1,282
Pipeline	--	--	0	--	--	--	45	--	--	--	--	--	0	0	0	45
Total	--	--	5,366	--	--	--	7,642	--	--	--	--	--	16,267	2,041	8,154	39,470
Aviation Gasoline Blending Components																
Refinery	0	0	0	148	0	5	153	0	0	50	0	0	50	0	52	255
Total	--	--	0	--	--	--	153	--	--	--	--	--	50	0	52	255
Total Finished Motor Gasoline																
Refinery	9,826	484	10,310	6,005	1,405	2,484	9,894	1,851	11,987	5,938	1,201	197	21,174	2,485	9,577	53,440
Bulk Terminal	--	--	39,458	--	--	--	27,819	--	--	--	--	--	11,843	1,797	12,148	93,065
Pipeline	--	--	13,262	--	--	--	18,021	--	--	--	--	--	19,629	1,055	2,326	54,293
Total	--	--	63,030	--	--	--	55,734	--	--	--	--	--	52,646	5,337	24,051	200,798
Finished Leaded Motor Gasoline																
Refinery	1,776	207	1,983	1,567	438	978	2,983	611	2,638	1,275	212	82	4,818	1,136	3,005	13,925
Bulk Terminal	--	--	9,265	--	--	--	9,099	--	--	--	--	--	3,814	828	4,462	27,468
Pipeline	--	--	1,884	--	--	--	5,141	--	--	--	--	--	4,626	427	453	12,531
Total	--	--	13,132	--	--	--	17,223	--	--	--	--	--	13,258	2,391	7,920	53,924
Finished Unleaded Motor Gasoline																
Refinery	8,050	277	8,327	4,438	967	1,506	6,911	1,240	9,349	4,663	989	115	16,356	1,349	6,572	39,515
Bulk Terminal	--	--	30,193	--	--	--	18,720	--	--	--	--	--	8,029	969	7,686	65,597
Pipeline	--	--	11,378	--	--	--	12,880	--	--	--	--	--	15,003	628	1,873	41,762
Total	--	--	49,898	--	--	--	38,511	--	--	--	--	--	39,388	2,946	16,131	146,874
Finished Aviation Gasoline																
Refinery	103	0	103	124	30	8	162	114	356	137	0	0	607	38	181	1,091
Bulk Terminal	--	--	376	--	--	--	368	--	--	--	--	--	51	21	298	1,114
Pipeline	--	--	0	--	--	--	70	--	--	--	--	--	3	0	0	73
Total	--	--	479	--	--	--	600	--	--	--	--	--	661	59	479	2,278

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, January 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	364	0	364	309	37	127	473	257	514	771	131	133	1,806	306	761	3,710
Bulk Terminal	--	--	885	--	--	--	924	--	--	--	--	--	188	0	475	2,472
Pipeline	--	--	213	--	--	--	279	--	--	--	--	--	393	107	398	1,390
Total	--	--	1,462	--	--	--	1,676	--	--	--	--	--	2,387	413	1,634	7,572
Kerosene-Type Jet Fuel																
Refinery	1,575	26	1,601	1,322	230	463	2,015	401	2,842	2,728	35	46	6,052	413	3,401	13,482
Bulk Terminal	--	--	3,924	--	--	--	3,400	--	--	--	--	--	2,042	155	1,937	11,458
Pipeline	--	--	3,494	--	--	--	2,837	--	--	--	--	--	5,475	288	942	13,036
Total	--	--	9,019	--	--	--	8,252	--	--	--	--	--	13,569	856	6,280	37,976
Kerosene																
Refinery	120	83	203	426	68	238	732	50	919	451	34	0	1,454	80	250	2,719
Bulk Terminal	--	--	2,106	--	--	--	1,047	--	--	--	--	--	166	28	30	3,377
Pipeline	--	--	341	--	--	--	234	--	--	--	--	--	513	0	9	1,097
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	--	--	2,650	--	--	--	2,013	--	--	--	--	--	2,133	108	289	7,193
Distillate Fuel Oils																
Refinery	6,021	452	6,473	5,279	1,176	2,944	9,399	741	10,195	4,846	1,068	117	16,967	1,844	5,120	39,803
Bulk Terminal	--	--	33,078	--	--	--	16,585	--	--	--	--	--	5,875	889	4,517	60,944
Pipeline	--	--	8,563	--	--	--	8,406	--	--	--	--	--	8,831	541	1,002	27,343
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	4	4	0	0	8	0	0	8
Total	--	--	48,114	--	--	--	34,390	--	--	--	--	--	31,681	3,274	10,639	128,098
Residual Fuel Oils																
Refinery	3,360	83	3,443	1,645	262	122	2,029	182	3,875	2,975	181	21	7,234	334	5,824	18,864
Bulk Terminal	--	--	16,176	--	--	--	1,194	--	--	--	--	--	7,214	0	2,333	26,917
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	60	0	188	252
Total	--	--	19,623	--	--	--	3,223	--	--	--	--	--	14,508	334	8,345	46,033
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	416	0	416	282	0	89	371	33	1,016	308	34	4	1,395	28	130	2,340
Total	416	0	416	282	0	89	371	33	1,016	308	34	4	1,395	28	130	2,340
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	9	0	0	9	71	899	191	0	0	1,161	2	92	1,269
Total	5	0	5	9	0	0	9	71	899	191	0	0	1,161	2	92	1,269

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, January 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	505	44	549	132	0	128	260	96	1,221	11	188	0	1,516	9	140	2,474
Bulk Terminal	667	0	710	326	0	0	345	0	0	0	0	0	52	0	22	1,129
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1,259	0	0	0	605	0	0	0	0	0	1,568	9	162	3,603
Lubricants																
Refinery	360	897	1,257	927	0	203	1,130	28	4,504	1,396	469	0	6,397	105	986	9,875
Bulk Terminal	--	--	2,097	--	--	--	1,195	--	--	--	--	--	378	2	513	4,185
Total	--	--	3,354	--	--	--	2,325	--	--	--	--	--	6,775	107	1,499	14,060
Waxes																
Refinery	0	79	79	74	0	29	103	42	235	168	18	0	463	73	103	821
Total	--	--	79	--	--	--	103	--	--	--	--	--	463	73	103	821
Petroleum Coke																
Refinery	616	0	616	452	664	206	1,322	13	403	3,021	211	0	3,648	50	1,671	7,307
Total	616	0	616	452	664	206	1,322	13	403	3,021	211	0	3,648	50	1,671	7,307
Asphalt and Road Oil																
Refinery	1,445	309	1,754	3,251	1,475	1,361	6,087	627	903	544	1,438	198	3,710	1,945	2,084	15,580
Bulk Terminal	--	--	4,058	--	--	--	3,138	--	--	--	--	--	555	46	188	7,985
Total	--	--	5,812	--	--	--	9,225	--	--	--	--	--	4,265	1,991	2,272	23,565
Miscellaneous Products																
Refinery	313	33	346	185	10	14	209	37	520	292	1	0	850	23	269	1,697
Bulk Terminal	--	--	642	--	--	--	107	--	--	--	--	--	729	1	69	1,548
Pipeline	--	--	0	--	--	--	93	--	--	--	--	--	261	0	38	392
Natural Gas Processing Plant	0	0	0	0	0	1	1	17	0	1	2	0	20	0	0	21
Total	--	--	988	--	--	--	410	--	--	--	--	--	1,860	24	376	3,658
Total Stocks, All Oils	**--**	**--**	**193,250**	**--**	**--**	**--**	**240,212**	**--**	**--**	**--**	**--**	**--**	**955,621**	**31,101**	**176,810**	**1,596,994**

1 Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, February 29, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	12,512	--	--	--	12,378	--	--	--	--	--	48,639	1,948	22,139	97,616
Tank Farms and Pipelines	--	--	1,391	--	--	--	57,134	--	--	--	--	--	101,826	10,201	30,234	200,786
Leases	--	--	40	--	--	--	1,495	--	--	--	--	--	16,816	1,188	1,817	21,356
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	544,146	0	0	544,146
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	28,263	28,263
Total	--	--	13,943	--	--	--	71,007	--	--	--	--	--	711,427	13,337	82,453	892,167
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	45,162	3,247	48,409	37,817	7,068	15,550	60,435	8,819	72,020	44,607	5,617	1,100	132,163	13,260	60,144	314,411
Bulk Terminal	--	--	102,446	--	--	--	64,977	--	--	--	--	--	58,511	3,038	22,363	251,335
Pipeline	--	--	26,189	--	--	--	35,691	--	--	--	--	--	40,542	2,621	4,773	109,816
Natural Gas Processing Plant	70	47	117	411	46	1,822	2,279	1,180	3,079	699	211	113	5,282	209	78	7,965
Total	--	--	177,161	--	--	--	163,382	--	--	--	--	--	236,498	19,128	87,358	683,527
Pentanes Plus																
Refinery	17	0	17	159	57	96	312	273	205	57	1	17	553	2	36	920
Bulk Terminal	--	--	18	--	--	--	1,389	--	--	--	--	--	1,250	0	2	2,659
Pipeline	--	--	0	--	--	--	479	--	--	--	--	--	848	79	0	1,406
Natural Gas Processing Plant	3	9	12	26	9	386	421	341	387	260	83	15	1,086	76	21	1,616
Total	--	--	47	--	--	--	2,601	--	--	--	--	--	3,737	157	59	6,601
Liquefied Petroleum Gases																
Refinery	679	11	690	1,427	200	465	2,092	809	1,831	2,177	34	25	4,876	340	609	8,607
Bulk Terminal	--	--	1,485	--	--	--	9,406	--	--	--	--	--	28,714	38	480	40,123
Pipeline	--	--	1,113	--	--	--	6,823	--	--	--	--	--	6,608	434	0	14,978
Natural Gas Processing Plant	67	38	105	385	37	1,436	1,858	822	2,686	438	126	98	4,170	133	57	6,323
Total	--	--	3,393	--	--	--	20,179	--	--	--	--	--	44,368	945	1,146	70,031
Ethane																
Refinery	20	0	20	1	0	0	1	64	287	0	0	0	351	0	0	372
Bulk Terminal	--	--	3	--	--	--	1,400	--	--	--	--	--	11,610	0	0	13,013
Pipeline	--	--	0	--	--	--	1,450	--	--	--	--	--	2,317	138	0	3,905
Natural Gas Processing Plant	0	0	0	17	0	128	145	78	918	1	11	17	1,025	3	0	1,173
Total	--	--	23	--	--	--	2,996	--	--	--	--	--	15,303	141	0	18,463

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, February 29, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	395	3	398	763	29	127	919	192	756	971	7	3	1,929	73	174	3,493
Bulk Terminal	--	--	1,030	--	--	--	5,409	--	--	--	--	--	9,642	37	151	16,269
Pipeline	--	--	1,042	--	--	--	3,785	--	--	--	--	--	2,986	170	0	7,983
Natural Gas Processing Plant	27	31	58	329	27	959	1,315	463	963	270	50	50	1,796	95	41	3,305
Total	--	--	2,528	--	--	--	11,428	--	--	--	--	--	16,353	375	366	31,050
Normal Butane																
Refinery	199	8	207	473	87	223	783	327	433	908	9	14	1,691	175	324	3,180
Bulk Terminal	--	--	451	--	--	--	1,384	--	--	--	--	--	3,287	1	133	5,256
Pipeline	--	--	71	--	--	--	1,168	--	--	--	--	--	824	82	0	2,145
Natural Gas Processing Plant	37	2	39	21	10	254	285	235	435	118	42	24	854	29	10	1,217
Total	--	--	768	--	--	--	3,620	--	--	--	--	--	6,656	287	467	11,798
Isobutane																
Refinery	65	0	65	190	84	115	389	226	355	298	18	8	905	92	111	1,562
Bulk Terminal	--	--	1	--	--	--	1,213	--	--	--	--	--	4,175	0	196	5,585
Pipeline	--	--	0	--	--	--	420	--	--	--	--	--	481	44	0	945
Natural Gas Processing Plant	3	5	8	18	0	95	113	46	370	49	23	7	495	6	6	628
Total	--	--	74	--	--	--	2,135	--	--	--	--	--	6,056	142	313	8,720
Other Hydrocarbons and Alcohol																
Refinery	34	0	34	42	1	30	73	1	72	118	0	6	197	7	51	362
Total	--	--	34	--	--	--	73	--	--	--	--	--	197	7	51	362
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,861	198	4,059	2,708	134	1,129	3,971	818	7,802	4,135	164	48	12,967	680	4,549	26,226
Kerosene and Light Gas Oils	2,923	207	3,130	1,652	156	270	2,078	383	5,833	2,315	180	1	8,712	364	3,558	17,842
Heavy Gas Oils	3,918	199	4,117	3,089	157	1,925	5,171	592	7,805	7,078	343	111	15,929	931	9,940	36,088
Residuum	1,020	130	1,150	2,297	5	1,049	3,351	320	5,118	3,298	147	0	8,883	410	4,558	18,352
Total	11,722	734	12,456	9,746	452	4,373	14,571	2,113	26,558	16,826	834	160	46,491	2,385	22,605	98,508

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, February 29, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,976	75	5,051	4,932	456	1,701	7,089	1,017	7,112	4,841	190	203	13,363	2,400	8,576	36,479
Bulk Terminal	--	--	198	--	--	--	432	--	--	--	--	--	1,120	41	15	1,806
Pipeline	--	--	0	--	--	--	78	--	--	--	--	--	10	0	0	88
Total	--	--	5,249	--	--	--	7,599	--	--	--	--	--	14,493	2,441	8,591	38,373
Aviation Gasoline Blending Components																
Refinery	0	0	0	147	0	11	158	0	0	50	0	0	50	0	47	255
Total	--	--	0	--	--	--	158	--	--	--	--	--	50	0	47	255
Total Finished Motor Gasoline																
Refinery	12,265	529	12,794	6,532	1,425	3,431	11,388	1,923	11,239	5,061	1,013	171	19,407	2,413	8,327	54,329
Bulk Terminal	--	--	39,660	--	--	--	29,795	--	--	--	--	--	11,430	1,779	11,870	94,534
Pipeline	--	--	13,584	--	--	--	17,519	--	--	--	--	--	19,372	1,249	2,398	54,122
Total	--	--	66,038	--	--	--	58,702	--	--	--	--	--	50,209	5,441	22,595	202,985
Finished Leaded Motor Gasoline																
Refinery	1,543	220	1,763	1,669	429	1,278	3,376	625	2,965	1,289	136	69	5,084	1,060	2,747	14,030
Bulk Terminal	--	--	8,325	--	--	--	9,046	--	--	--	--	--	3,533	805	4,124	25,833
Pipeline	--	--	2,486	--	--	--	4,417	--	--	--	--	--	3,837	487	426	11,653
Total	--	--	12,574	--	--	--	16,839	--	--	--	--	--	12,454	2,352	7,297	51,516
Finished Unleaded Motor Gasoline																
Refinery	10,722	309	11,031	4,863	996	2,153	8,012	1,298	8,274	3,772	877	102	14,323	1,353	5,580	40,299
Bulk Terminal	--	--	31,335	--	--	--	20,749	--	--	--	--	--	7,897	974	7,746	68,701
Pipeline	--	--	11,098	--	--	--	13,102	--	--	--	--	--	15,535	762	1,972	42,469
Total	--	--	53,464	--	--	--	41,863	--	--	--	--	--	37,755	3,089	15,298	151,469
Finished Aviation Gasoline																
Refinery	86	0	86	90	22	14	126	95	331	115	0	0	541	49	167	969
Bulk Terminal	--	--	312	--	--	--	330	--	--	--	--	--	58	20	296	1,016
Pipeline	--	--	0	--	--	--	108	--	--	--	--	--	45	0	0	153
Total	--	--	398	--	--	--	564	--	--	--	--	--	644	69	463	2,138

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, February 29, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	285	0	285	260	22	119	401	239	405	490	132	131	1,397	283	667	3,033
Bulk Terminal	--	--	819	--	--	--	229	--	--	--	--	--	149	15	476	1,688
Pipeline	--	--	196	--	--	--	213	--	--	--	--	--	437	102	417	1,365
Total	--	--	1,300	--	--	--	843	--	--	--	--	--	1,983	400	1,560	6,086
Kerosene-Type Jet Fuel																
Refinery	1,729	29	1,758	1,285	149	407	1,841	380	2,920	2,346	26	40	5,712	463	3,283	13,057
Bulk Terminal	--	--	3,443	--	--	--	2,661	--	--	--	--	--	2,283	176	2,175	10,738
Pipeline	--	--	3,700	--	--	--	2,957	--	--	--	--	--	5,267	214	805	12,943
Total	--	--	8,901	--	--	--	7,459	--	--	--	--	--	13,262	853	6,263	36,738
Kerosene																
Refinery	129	72	201	631	64	127	822	64	722	447	33	0	1,266	67	289	2,645
Bulk Terminal	--	--	2,085	--	--	--	789	--	--	--	--	--	271	38	54	3,237
Pipeline	--	--	333	--	--	--	244	--	--	--	--	--	485	0	19	1,081
Total	--	--	2,619	--	--	--	1,855	--	--	--	--	--	2,022	105	362	6,963
Distillate Fuel Oils																
Refinery	6,008	390	6,398	4,728	1,147	2,585	8,460	760	6,674	3,264	775	76	11,549	1,747	4,450	32,604
Bulk Terminal	--	--	30,766	--	--	--	14,137	--	--	--	--	--	4,447	882	4,317	54,549
Pipeline	--	--	7,259	--	--	--	7,228	--	--	--	--	--	7,146	543	966	23,142
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	6
Total	--	--	44,423	--	--	--	29,825	--	--	--	--	--	23,148	3,172	9,733	110,301
Residual Fuel Oils																
Refinery	3,265	58	3,323	1,724	254	126	2,104	207	4,119	3,161	165	14	7,666	362	5,479	18,934
Bulk Terminal	--	--	16,393	--	--	--	974	--	--	--	--	--	6,731	0	1,925	26,023
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	60	0	69	133
Total	--	--	19,720	--	--	--	3,078	--	--	--	--	--	14,457	362	7,473	45,090
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	484	0	484	333	0	70	403	49	990	255	26	5	1,325	21	134	2,367
Total	484	0	484	333	0	70	403	49	990	255	26	5	1,325	21	134	2,367
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	6	0	0	6	79	1,342	144	0	0	1,565	3	154	1,732
Total	4	0	4	6	0	0	6	79	1,342	144	0	0	1,565	3	154	1,732

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, February 29, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	474	34	508	131	0	121	252	86	1,114	8	165	0	1,373	8	131	2,272
Bulk Terminal	--	--	645	--	--	--	311	--	--	--	--	--	173	0	19	1,148
Total	--	--	1,153	--	--	--	563	--	--	--	--	--	1,546	8	150	3,420
Lubricants																
Refinery	375	890	1,265	1,039	0	184	1,223	28	4,169	1,445	424	0	6,066	94	1,136	9,784
Bulk Terminal	--	--	2,060	--	--	--	1,118	--	--	--	--	--	433	2	508	4,121
Total	--	--	3,325	--	--	--	2,341	--	--	--	--	--	6,499	96	1,644	13,905
Waxes																
Refinery	0	75	75	74	0	25	99	37	255	162	15	0	469	91	116	850
Total	--	--	75	--	--	--	99	--	--	--	--	--	469	91	116	850
Petroleum Coke																
Refinery	544	0	544	444	879	178	1,501	9	511	2,711	213	0	3,444	31	1,666	7,186
Total	544	0	544	444	879	178	1,501	9	511	2,711	213	0	3,444	31	1,666	7,186
Asphalt and Road Oil																
Refinery	1,722	315	2,037	3,940	1,937	1,475	7,352	624	1,038	640	1,570	252	4,124	2,468	1,965	17,946
Bulk Terminal	--	--	3,802	--	--	--	3,264	--	--	--	--	--	681	46	174	7,967
Total	--	--	5,839	--	--	--	10,616	--	--	--	--	--	4,805	2,514	2,139	25,913
Miscellaneous Products																
Refinery	364	35	399	147	3	12	162	26	413	289	1	0	729	26	256	1,572
Bulk Terminal	--	--	760	--	--	--	142	--	--	--	--	--	771	1	52	1,726
Pipeline	--	--	0	--	--	--	42	--	--	--	--	--	264	0	99	405
Natural Gas Processing Plant	0	0	0	0	0	0	0	17	0	1	2	0	20	0	0	20
Total	--	--	1,159	--	--	--	346	--	--	--	--	--	1,784	27	407	3,723
Total Stocks, All Oils	**--**	**--**	**191,104**	**--**	**--**	**--**	**234,389**	**--**	**--**	**--**	**--**	**--**	**947,925**	**32,465**	**169,811**	**1,575,694**

[1] Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, March 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,421	--	--	--	12,497	--	--	--	--	--	50,386	2,070	22,668	101,042
Tank Farms and Pipelines	--	--	1,365	--	--	--	59,865	--	--	--	--	--	104,512	10,557	33,689	209,988
Leases	--	--	39	--	--	--	1,518	--	--	--	--	--	16,852	1,172	1,781	21,362
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	544,938	0	0	544,938
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,611	21,611
Total	--	--	14,825	--	--	--	73,880	--	--	--	--	--	716,688	13,799	79,749	898,941
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	40,590	3,268	43,858	38,880	7,825	15,176	61,881	9,429	72,718	46,363	5,606	1,164	135,280	12,390	61,301	314,710
Bulk Terminal	--	--	91,956	--	--	--	60,668	--	--	--	--	--	55,182	2,632	20,504	230,942
Pipeline	--	--	24,262	--	--	--	36,343	--	--	--	--	--	39,063	2,429	4,303	106,400
Natural Gas Processing Plant	103	36	139	104	36	2,027	2,167	1,227	3,439	708	182	117	5,673	225	70	8,274
Total	--	--	160,215	--	--	--	161,059	--	--	--	--	--	235,198	17,676	86,178	660,326
Pentanes Plus																
Refinery	19	0	19	113	35	134	282	289	244	69	1	20	623	1	29	954
Bulk Terminal	--	--	15	--	--	--	1,113	--	--	--	--	--	1,827	0	4	2,959
Pipeline	--	--	0	--	--	--	619	--	--	--	--	--	990	77	0	1,686
Natural Gas Processing Plant	5	8	13	17	11	402	430	379	411	281	71	27	1,169	104	21	1,737
Total	--	--	47	--	--	--	2,444	--	--	--	--	--	4,609	182	54	7,336
Liquefied Petroleum Gases																
Refinery	630	14	644	1,545	179	515	2,239	1,146	1,964	2,236	32	28	5,406	334	609	9,232
Bulk Terminal	--	--	1,210	--	--	--	8,605	--	--	--	--	--	27,374	32	654	37,875
Pipeline	--	--	903	--	--	--	7,134	--	--	--	--	--	6,382	436	0	14,855
Natural Gas Processing Plant	98	28	126	87	25	1,625	1,737	824	3,022	426	109	90	4,471	121	49	6,504
Total	--	--	2,883	--	--	--	19,715	--	--	--	--	--	43,633	923	1,312	68,466
Ethane																
Refinery	5	0	5	1	0	0	1	83	327	0	0	0	410	0	0	416
Bulk Terminal	--	--	2	--	--	--	1,145	--	--	--	--	--	10,613	0	0	11,760
Pipeline	--	--	0	--	--	--	1,617	--	--	--	--	--	2,330	135	0	4,082
Natural Gas Processing Plant	0	0	0	17	0	198	215	80	927	0	6	13	1,026	2	0	1,243
Total	--	--	7	--	--	--	2,978	--	--	--	--	--	14,379	137	0	17,501

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, March 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	341	5	346	790	18	112	920	329	750	994	6	4	2,083	63	135	3,547
Bulk Terminal	--	--	852	--	--	--	5,065	--	--	--	--	--	9,866	32	127	15,942
Pipeline	--	--	831	--	--	--	3,893	--	--	--	--	--	2,530	172	0	7,426
Natural Gas Processing Plant	50	19	69	38	17	967	1,022	431	1,078	218	41	53	1,821	90	34	3,036
Total	--	--	2,098	--	--	--	10,900	--	--	--	--	--	16,300	357	296	29,951
Normal Butane																
Refinery	248	9	257	515	86	298	899	435	481	816	6	15	1,753	175	368	3,452
Bulk Terminal	--	--	354	--	--	--	1,328	--	--	--	--	--	3,257	0	332	5,271
Pipeline	--	--	54	--	--	--	1,149	--	--	--	--	--	892	83	0	2,178
Natural Gas Processing Plant	46	7	53	16	8	367	391	258	492	145	41	19	955	23	10	1,432
Total	--	--	718	--	--	--	3,767	--	--	--	--	--	6,857	281	710	12,333
Isobutane																
Refinery	36	0	36	239	75	105	419	299	406	426	20	9	1,160	96	106	1,817
Bulk Terminal	--	--	2	--	--	--	1,067	--	--	--	--	--	3,638	0	195	4,902
Pipeline	--	--	18	--	--	--	475	--	--	--	--	--	630	46	0	1,169
Natural Gas Processing Plant	2	2	4	16	0	93	109	55	525	63	21	5	669	6	5	793
Total	--	--	60	--	--	--	2,070	--	--	--	--	--	6,097	148	306	8,681
Other Hydrocarbons and Alcohol																
Refinery	82	0	82	62	1	11	74	1	69	154	0	3	227	8	35	426
Total	--	--	82	--	--	--	74	--	--	--	--	--	227	8	35	426
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,214	188	3,402	3,943	149	997	5,089	696	7,335	4,368	163	77	12,639	522	4,685	26,337
Kerosene and Light Gas Oils	2,914	139	3,053	2,260	102	433	2,795	353	6,186	2,759	151	3	9,452	295	4,328	19,923
Heavy Gas Oils	3,895	223	4,118	3,477	98	1,830	5,405	602	8,879	7,926	402	155	17,964	688	9,568	37,743
Residuum	1,014	135	1,149	2,100	67	1,145	3,312	526	4,703	3,841	113	0	9,183	319	4,507	18,470
Total	11,037	685	11,722	11,780	416	4,405	16,601	2,177	27,103	18,894	829	235	49,238	1,824	23,088	102,473

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, March 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,571	101	4,672	5,069	590	1,758	7,417	1,103	7,063	4,583	145	212	13,106	2,233	7,914	35,342
Bulk Terminal	--	--	146	--	--	--	450	--	--	--	--	--	1,295	28	27	1,946
Pipeline	--	--	16	--	--	--	38	--	--	--	--	--	0	0	0	54
Total	--	--	4,834	--	--	--	7,905	--	--	--	--	--	14,401	2,261	7,941	37,342
Aviation Gasoline Blending Components																
Refinery	0	0	0	111	0	8	119	0	0	39	0	0	39	0	23	181
Total	--	--	0	--	--	--	119	--	--	--	--	--	39	0	23	181
Total Finished Motor Gasoline																
Refinery	11,069	627	11,696	6,278	1,549	3,128	10,955	1,875	10,457	5,068	1,089	169	18,658	2,471	8,238	52,018
Bulk Terminal	--	--	37,988	--	--	--	29,373	--	--	--	--	--	9,721	1,691	10,534	89,307
Pipeline	--	--	13,634	--	--	--	18,106	--	--	--	--	--	18,203	1,170	1,963	53,076
Total	--	--	63,318	--	--	--	58,434	--	--	--	--	--	46,582	5,332	20,735	194,401
Finished Leaded Motor Gasoline																
Refinery	1,628	194	1,822	1,596	307	1,134	3,037	568	2,516	1,061	127	56	4,328	1,148	2,846	13,181
Bulk Terminal	--	--	8,019	--	--	--	8,248	--	--	--	--	--	3,082	756	3,750	23,855
Pipeline	--	--	2,325	--	--	--	5,026	--	--	--	--	--	3,624	425	325	11,725
Total	--	--	12,166	--	--	--	16,311	--	--	--	--	--	11,034	2,329	6,921	48,761
Finished Unleaded Motor Gasoline																
Refinery	9,441	433	9,874	4,682	1,242	1,994	7,918	1,307	7,941	4,007	962	113	14,330	1,323	5,392	38,837
Bulk Terminal	--	--	29,969	--	--	--	21,125	--	--	--	--	--	6,639	935	6,784	65,452
Pipeline	--	--	11,309	--	--	--	13,080	--	--	--	--	--	14,579	745	1,638	41,351
Total	--	--	51,152	--	--	--	42,123	--	--	--	--	--	35,548	3,003	13,814	145,640
Finished Aviation Gasoline																
Refinery	90	0	90	84	23	8	115	108	417	161	0	0	686	50	128	1,069
Bulk Terminal	--	--	256	--	--	--	323	--	--	--	--	--	33	15	273	900
Pipeline	--	--	0	--	--	--	46	--	--	--	--	--	10	0	0	56
Total	--	--	346	--	--	--	484	--	--	--	--	--	729	65	401	2,025

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, March 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	270	0	270	269	23	163	455	290	561	594	107	73	1,625	265	566	3,181
Bulk Terminal	--	--	728	--	--	--	830	--	--	--	--	--	139	9	493	2,199
Pipeline	--	--	95	--	--	--	183	--	--	--	--	--	561	84	336	1,259
Total	--	--	1,093	--	--	--	1,468	--	--	--	--	--	2,325	358	1,395	6,639
Kerosene-Type Jet Fuel																
Refinery	1,412	26	1,438	1,503	199	480	2,182	516	3,459	2,411	56	41	6,483	399	3,803	14,305
Bulk Terminal	--	--	3,763	--	--	--	3,009	--	--	--	--	--	2,130	285	1,941	11,128
Pipeline	--	--	4,233	--	--	--	3,259	--	--	--	--	--	5,691	191	720	14,094
Total	--	--	9,434	--	--	--	8,450	--	--	--	--	--	14,304	875	6,464	39,527
Kerosene																
Refinery	256	59	315	622	62	169	853	73	622	304	27	0	1,026	24	207	2,425
Bulk Terminal	--	--	2,004	--	--	--	789	--	--	--	--	--	481	33	47	3,354
Pipeline	--	--	278	--	--	--	140	--	--	--	--	--	156	0	10	584
Total	--	--	2,597	--	--	--	1,782	--	--	--	--	--	1,663	57	264	6,363
Distillate Fuel Oils																
Refinery	4,685	307	4,992	3,304	1,044	2,163	6,511	568	7,093	2,972	664	59	11,356	1,303	4,848	29,010
Bulk Terminal	--	--	22,951	--	--	--	9,940	--	--	--	--	--	3,652	493	3,555	40,591
Pipeline	--	--	5,099	--	--	--	6,802	--	--	--	--	--	6,743	471	1,121	20,236
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	6
Total	--	--	33,042	--	--	--	23,253	--	--	--	--	--	21,757	2,267	9,524	89,843
Residual Fuel Oils																
Refinery	2,536	71	2,607	1,533	267	145	1,945	229	4,196	3,129	220	10	7,784	361	6,228	18,925
Bulk Terminal	--	--	15,170	--	--	--	937	--	--	--	--	--	6,375	0	2,239	24,721
Pipeline	--	--	4	--	--	--	0	--	--	--	--	--	60	0	36	100
Total	--	--	17,781	--	--	--	2,882	--	--	--	--	--	14,219	361	8,503	43,746
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	345	0	345	222	0	81	303	61	1,061	264	52	12	1,450	37	138	2,273
Total	345	0	345	222	0	81	303	61	1,061	264	52	12	1,450	37	138	2,273
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	6	0	3	9	57	968	260	0	0	1,285	2	161	1,462
Total	5	0	5	6	0	3	9	57	968	260	0	0	1,285	2	161	1,462

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, March 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	496	44	540	109	0	114	223	105	1,181	7	145	0	1,438	7	102	2,310
Bulk Terminal	--	--	582	--	--	--	257	--	--	--	--	--	65	0	19	923
Total	--	--	1,122	--	--	--	480	--	--	--	--	--	1,503	7	121	3,233
Lubricants																
Refinery	379	876	1,255	1,033	0	162	1,195	21	4,191	1,546	421	0	6,179	73	1,161	9,863
Bulk Terminal	--	--	2,116	--	--	--	1,087	--	--	--	--	--	451	1	522	4,177
Total	--	--	3,371	--	--	--	2,282	--	--	--	--	--	6,630	74	1,683	14,040
Waxes																
Refinery	0	62	62	80	0	27	107	37	212	155	16	0	420	70	130	789
Total	--	--	62	--	--	--	107	--	--	--	--	--	420	70	130	789
Petroleum Coke																
Refinery	657	0	657	279	1,284	186	1,749	13	314	2,561	216	0	3,104	39	1,656	7,205
Total	657	0	657	279	1,284	186	1,749	13	314	2,561	216	0	3,104	39	1,656	7,205
Asphalt and Road Oil																
Refinery	1,905	353	2,258	4,715	2,147	1,502	8,364	725	1,115	752	1,585	302	4,479	2,860	1,975	19,936
Bulk Terminal	--	--	4,581	--	--	--	3,835	--	--	--	--	--	810	44	166	9,436
Total	--	--	6,839	--	--	--	12,199	--	--	--	--	--	5,289	2,904	2,141	29,372
Miscellaneous Products																
Refinery	146	43	189	163	6	14	183	35	428	204	1	0	668	29	262	1,331
Bulk Terminal	--	--	446	--	--	--	120	--	--	--	--	--	829	1	30	1,426
Pipeline	--	--	0	--	--	--	16	--	--	--	--	--	267	0	117	400
Natural Gas Processing Plant	0	0	0	0	0	0	0	24	0	1	2	0	27	0	0	27
Total	--	--	635	--	--	--	319	--	--	--	--	--	1,791	30	409	3,184
Total Stocks, All Oils	--	--	**175,040**	--	--	--	**234,939**	--	--	--	--	--	**951,886**	**31,475**	**165,927**	**1,559,267**

1 Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, April 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,535	--	--	--	12,934	--	--	--	--	--	53,368	2,547	22,892	107,276
Tank Farms and Pipelines	--	--	1,401	--	--	--	63,138	--	--	--	--	--	102,619	10,071	29,049	206,278
Leases	--	--	37	--	--	--	1,473	--	--	--	--	--	16,647	1,145	1,780	21,082
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	547,258	0	0	547,258
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	22,741	22,741
Total	--	--	16,973	--	--	--	77,545	--	--	--	--	--	719,892	13,763	76,462	904,635
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	36,299	3,005	39,304	39,891	8,442	15,451	63,784	9,784	75,940	47,110	5,498	1,312	139,644	12,306	63,212	318,250
Bulk Terminal	--	--	84,780	--	--	--	64,509	--	--	--	--	--	61,249	2,851	22,921	236,310
Pipeline	--	--	26,413	--	--	--	36,697	--	--	--	--	--	39,109	2,442	4,876	109,537
Natural Gas Processing Plant	98	40	138	100	53	2,178	2,331	1,181	4,678	669	166	116	6,810	205	82	9,566
Total	--	--	150,635	--	--	--	167,321	--	--	--	--	--	246,812	17,804	91,091	673,663
Pentanes Plus																
Refinery	17	0	17	238	16	135	389	282	348	70	1	13	714	1	33	1,154
Bulk Terminal	--	--	13	--	--	--	1,389	--	--	--	--	--	2,079	0	4	3,485
Pipeline	--	--	0	--	--	--	1,007	--	--	--	--	--	811	79	0	1,897
Natural Gas Processing Plant	3	9	12	15	14	398	427	350	527	243	62	19	1,201	63	18	1,721
Total	--	--	42	--	--	--	3,212	--	--	--	--	--	4,805	143	55	8,257
Liquefied Petroleum Gases																
Refinery	610	21	631	1,935	176	474	2,585	1,552	2,720	2,874	22	19	7,187	324	647	11,374
Bulk Terminal	--	--	1,204	--	--	--	11,680	--	--	--	--	--	31,747	55	806	45,492
Pipeline	--	--	1,184	--	--	--	6,776	--	--	--	--	--	6,237	429	0	14,626
Natural Gas Processing Plant	95	31	126	85	39	1,780	1,904	810	4,145	425	102	97	5,579	142	64	7,815
Total	--	--	3,145	--	--	--	22,945	--	--	--	--	--	50,750	950	1,517	79,307
Ethane																
Refinery	9	0	9	1	0	0	1	135	399	0	0	0	534	0	0	544
Bulk Terminal	--	--	2	--	--	--	1,348	--	--	--	--	--	10,218	0	0	11,568
Pipeline	--	--	0	--	--	--	1,143	--	--	--	--	--	2,369	129	0	3,641
Natural Gas Processing Plant	0	0	0	17	0	263	280	67	1,244	1	5	17	1,334	2	0	1,616
Total	--	--	11	--	--	--	2,772	--	--	--	--	--	14,455	131	0	17,369

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, April 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	316	4	320	1,082	21	110	1,213	688	1,496	1,333	6	4	3,527	77	111	5,248
Bulk Terminal	--	--	932	--	--	--	7,111	--	--	--	--	--	13,515	55	149	21,762
Pipeline	--	--	1,123	--	--	--	3,992	--	--	--	--	--	2,592	168	0	7,875
Natural Gas Processing Plant	55	26	81	37	25	947	1,009	471	1,328	256	44	58	2,157	101	49	3,397
Total	--	--	2,456	--	--	--	13,325	--	--	--	--	--	21,791	401	309	38,282
Normal Butane																
Refinery	244	17	261	597	91	268	956	490	452	1,080	2	7	2,031	176	416	3,840
Bulk Terminal	--	--	268	--	--	--	1,929	--	--	--	--	--	4,146	0	548	6,891
Pipeline	--	--	61	--	--	--	1,021	--	--	--	--	--	769	85	0	1,936
Natural Gas Processing Plant	38	3	41	15	14	457	486	223	1,000	91	34	15	1,363	33	9	1,932
Total	--	--	631	--	--	--	4,392	--	--	--	--	--	8,309	294	973	14,599
Isobutane																
Refinery	41	0	41	255	64	96	415	239	373	461	14	8	1,095	71	120	1,742
Bulk Terminal	--	--	2	--	--	--	1,292	--	--	--	--	--	3,868	0	109	5,271
Pipeline	--	--	0	--	--	--	620	--	--	--	--	--	507	47	0	1,174
Natural Gas Processing Plant	2	2	4	16	0	113	129	49	573	77	19	7	725	6	6	870
Total	--	--	47	--	--	--	2,456	--	--	--	--	--	6,195	124	235	9,057
Other Hydrocarbons and Alcohol																
Refinery	77	0	77	86	2	28	116	0	83	139	0	5	227	9	26	455
Total	--	--	77	--	--	--	116	--	--	--	--	--	227	9	26	455
Unfinished Oils																
Refinery																
Naphthas and Lighter	2,781	161	2,942	3,506	151	1,344	5,001	656	7,953	4,895	144	57	13,705	625	4,375	26,648
Kerosene and Light Gas Oils	1,647	164	1,811	1,891	104	254	2,249	291	5,871	2,545	128	2	8,837	320	3,846	17,063
Heavy Gas Oils	4,607	224	4,831	3,740	283	2,181	6,204	572	8,932	7,504	453	195	17,656	873	10,401	39,965
Residuum	1,020	141	1,161	2,477	1	1,102	3,580	493	5,052	3,764	97	0	9,406	371	4,922	19,440
Total	10,055	690	10,745	11,614	539	4,881	17,034	2,012	27,808	18,708	822	254	49,604	2,189	23,544	103,116

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, April 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,102	126	4,228	4,564	676	1,563	6,803	1,186	7,162	5,098	149	233	13,828	1,985	8,087	34,931
Bulk Terminal	--	--	84	--	--	--	391	--	--	--	--	--	813	27	242	1,557
Pipeline	--	--	16	--	--	--	61	--	--	--	--	--	0	0	0	77
Total	--	--	4,328	--	--	--	7,255	--	--	--	--	--	14,641	2,012	8,329	36,565
Aviation Gasoline Blending Components																
Refinery	0	0	0	154	0	3	157	0	0	39	0	0	39	0	33	229
Total	--	--	0	--	--	--	157	--	--	--	--	--	39	0	33	229
Total Finished Motor Gasoline																
Refinery	9,082	350	9,432	6,060	1,139	2,711	9,910	1,719	10,818	5,086	981	202	18,806	2,072	8,459	48,679
Bulk Terminal	--	--	34,624	--	--	--	28,015	--	--	--	--	--	10,154	1,836	11,499	86,128
Pipeline	--	--	15,350	--	--	--	17,777	--	--	--	--	--	18,719	1,165	2,317	55,328
Total	--	--	59,406	--	--	--	55,702	--	--	--	--	--	47,679	5,073	22,275	190,135
Finished Leaded Motor Gasoline																
Refinery	1,589	76	1,665	1,295	492	978	2,765	572	2,495	1,082	137	81	4,367	925	2,869	12,591
Bulk Terminal	--	--	7,198	--	--	--	7,857	--	--	--	--	--	3,198	763	3,891	22,907
Pipeline	--	--	2,218	--	--	--	4,359	--	--	--	--	--	4,179	470	360	11,586
Total	--	--	11,081	--	--	--	14,981	--	--	--	--	--	11,744	2,158	7,120	47,084
Finished Unleaded Motor Gasoline																
Refinery	7,493	274	7,767	4,765	647	1,733	7,145	1,147	8,323	4,004	844	121	14,439	1,147	5,590	36,088
Bulk Terminal	--	--	27,426	--	--	--	20,158	--	--	--	--	--	6,956	1,073	7,608	63,221
Pipeline	--	--	13,132	--	--	--	13,418	--	--	--	--	--	14,540	695	1,957	43,742
Total	--	--	48,325	--	--	--	40,721	--	--	--	--	--	35,935	2,915	15,155	143,051
Finished Aviation Gasoline																
Refinery	79	0	79	153	23	4	180	45	314	77	0	0	436	48	127	870
Bulk Terminal	--	--	274	--	--	--	329	--	--	--	--	--	106	16	202	927
Pipeline	--	--	17	--	--	--	128	--	--	--	--	--	30	0	0	175
Total	--	--	370	--	--	--	637	--	--	--	--	--	572	64	329	1,972

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, April 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	254	0	254	389	22	189	600	281	762	410	88	110	1,651	248	616	3,369
Bulk Terminal	--	--	784	--	--	--	282	--	--	--	--	--	104	18	567	1,755
Pipeline	--	--	73	--	--	--	150	--	--	--	--	--	403	148	378	1,152
Total	--	--	1,111	--	--	--	1,032	--	--	--	--	--	2,158	414	1,561	6,276
Kerosene-Type Jet Fuel																
Refinery	1,603	25	1,628	1,323	305	523	2,151	466	3,214	2,198	42	40	5,960	363	3,931	14,033
Bulk Terminal	--	--	3,804	--	--	--	3,338	--	--	--	--	--	2,145	228	2,240	11,755
Pipeline	--	--	3,954	--	--	--	3,033	--	--	--	--	--	5,249	200	796	13,232
Total	--	--	9,386	--	--	--	8,522	--	--	--	--	--	13,354	791	6,967	39,020
Kerosene																
Refinery	127	70	197	483	69	343	895	66	709	258	20	0	1,053	11	251	2,407
Bulk Terminal	--	--	2,151	--	--	--	701	--	--	--	--	--	206	30	45	3,133
Pipeline	--	--	123	--	--	--	114	--	--	--	--	--	248	0	8	493
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	--	--	2,471	--	--	--	1,710	--	--	--	--	--	1,507	41	304	6,033
Distillate Fuel Oils																
Refinery	3,971	338	4,309	3,961	1,195	2,404	7,560	862	7,684	3,729	825	103	13,203	1,418	5,682	32,172
Bulk Terminal	--	--	20,016	--	--	--	11,407	--	--	--	--	--	4,308	592	4,390	40,713
Pipeline	--	--	5,696	--	--	--	7,636	--	--	--	--	--	7,140	421	1,188	22,081
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	6
Total	--	--	30,021	--	--	--	26,603	--	--	--	--	--	24,657	2,431	11,260	94,972
Residual Fuel Oils																
Refinery	2,399	69	2,468	1,867	310	153	2,330	244	4,139	3,104	154	10	7,651	367	5,714	18,530
Bulk Terminal	--	--	13,747	--	--	--	852	--	--	--	--	--	7,548	0	1,977	24,124
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	102	102
Total	--	--	16,215	--	--	--	3,182	--	--	--	--	--	15,199	367	7,793	42,756
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	407	0	407	231	0	52	283	43	997	273	7	5	1,325	21	150	2,186
Total	407	0	407	231	0	52	283	43	997	273	7	5	1,325	21	150	2,186
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	7	0	0	7	78	1,442	265	0	0	1,785	2	199	1,996
Total	3	0	3	7	0	0	7	78	1,442	265	0	0	1,785	2	199	1,996

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, April 30, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	449	47	496	99	0	96	195	107	1,214	6	198	0	1,525	7	118	2,341
Bulk Terminal	553	0	593	232	0	0	250	0	0	0	0	0	32	0	103	978
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1,089	0	0	0	445	0	0	0	0	0	1,557	7	221	3,319
Lubricants																
Refinery	308	829	1,137	1,139	0	171	1,310	14	4,313	1,551	428	0	6,306	78	1,222	10,053
Bulk Terminal	--	--	2,038	--	--	--	1,081	--	--	--	--	--	443	1	479	4,042
Total	--	--	3,175	--	--	--	2,391	--	--	--	--	--	6,749	79	1,701	14,095
Waxes																
Refinery	0	62	62	71	0	25	96	43	248	159	17	0	467	86	126	837
Total	--	--	62	--	--	--	96	--	--	--	--	--	467	86	126	837
Petroleum Coke																
Refinery	572	0	572	270	1,680	155	2,105	10	462	2,161	211	0	2,844	60	1,870	7,451
Total	572	0	572	270	1,680	155	2,105	10	462	2,161	211	0	2,844	60	1,870	7,451
Asphalt and Road Oil																
Refinery	2,007	338	2,345	5,087	2,285	1,528	8,900	720	1,091	732	1,533	318	4,394	2,984	2,130	20,753
Bulk Terminal	--	--	4,884	--	--	--	4,660	--	--	--	--	--	699	47	338	10,628
Total	--	--	7,229	--	--	--	13,560	--	--	--	--	--	5,093	3,031	2,468	31,381
Miscellaneous Products																
Refinery	177	40	217	160	5	13	178	54	412	173	0	0	639	33	247	1,314
Bulk Terminal	--	--	564	--	--	--	134	--	--	--	--	--	865	1	29	1,593
Pipeline	--	--	0	--	--	--	15	--	--	--	--	--	272	0	87	374
Natural Gas Processing Plant	0	0	0	0	0	0	0	21	0	1	2	0	24	0	0	24
Total	--	--	781	--	--	--	327	--	--	--	--	--	1,800	34	363	3,305
Total Stocks, All Oils	**--**	**--**	**167,608**	**--**	**--**	**--**	**244,866**	**--**	**--**	**--**	**--**	**--**	**966,704**	**31,567**	**167,553**	**1,578,298**

1 Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, May 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,948	--	--	--	14,169	--	--	--	--	--	49,599	2,432	24,543	105,691
Tank Farms and Pipelines	--	--	1,333	--	--	--	64,107	--	--	--	--	--	106,825	9,723	28,497	210,485
Leases	--	--	40	--	--	--	1,448	--	--	--	--	--	16,590	1,179	1,590	20,847
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	547,949	0	0	547,949
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	22,642	22,642
Total	--	--	16,321	--	--	--	79,724	--	--	--	--	--	720,963	13,334	77,272	907,614
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	40,420	3,328	43,748	39,671	9,099	16,373	65,143	10,202	78,553	48,158	5,964	1,248	144,125	12,673	67,438	333,127
Bulk Terminal	--	--	90,574	--	--	--	67,134	--	--	--	--	--	67,882	3,026	24,669	253,285
Pipeline	--	--	26,356	--	--	--	36,322	--	--	--	--	--	39,180	2,436	4,850	109,144
Natural Gas Processing Plant	111	41	152	200	50	2,125	2,375	1,212	5,538	681	196	163	7,790	212	81	10,610
Total	--	--	160,830	--	--	--	170,974	--	--	--	--	--	258,977	18,347	97,038	706,166
Pentanes Plus																
Refinery	17	0	17	235	16	139	390	278	308	71	1	26	684	1	20	1,112
Bulk Terminal	--	--	18	--	--	--	1,414	--	--	--	--	--	2,304	0	5	3,741
Pipeline	--	--	0	--	--	--	697	--	--	--	--	--	966	78	0	1,741
Natural Gas Processing Plant	3	8	11	21	17	394	432	375	575	225	65	45	1,285	86	22	1,836
Total	--	--	46	--	--	--	2,933	--	--	--	--	--	5,239	165	47	8,430
Liquefied Petroleum Gases																
Refinery	704	18	722	2,248	207	471	2,926	1,695	2,597	3,082	26	25	7,425	313	669	12,055
Bulk Terminal	--	--	1,292	--	--	--	14,933	--	--	--	--	--	36,903	41	1,031	54,200
Pipeline	--	--	1,508	--	--	--	6,634	--	--	--	--	--	6,368	432	0	14,942
Natural Gas Processing Plant	108	33	141	179	33	1,731	1,943	819	4,957	455	129	118	6,478	126	59	8,747
Total	--	--	3,663	--	--	--	26,436	--	--	--	--	--	57,174	912	1,759	89,944
Ethane																
Refinery	15	0	15	1	0	0	1	46	308	0	0	0	354	0	0	370
Bulk Terminal	--	--	2	--	--	--	1,932	--	--	--	--	--	10,294	0	0	12,228
Pipeline	--	--	0	--	--	--	1,247	--	--	--	--	--	2,300	126	0	3,673
Natural Gas Processing Plant	0	0	0	17	0	232	249	65	1,674	1	7	17	1,764	3	0	2,016
Total	--	--	17	--	--	--	3,429	--	--	--	--	--	14,712	129	0	18,287

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, May 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	372	4	376	1,338	31	138	1,507	876	1,435	1,415	5	5	3,736	94	98	5,811
Bulk Terminal	--	--	1,012	--	--	--	9,293	--	--	--	--	--	17,403	41	261	28,010
Pipeline	--	--	1,417	--	--	--	3,826	--	--	--	--	--	2,793	173	0	8,209
Natural Gas Processing Plant	66	27	93	104	23	1,006	1,133	479	1,711	291	52	71	2,604	82	43	3,955
Total	--	--	2,898	--	--	--	15,759	--	--	--	--	--	26,536	390	402	45,985
Normal Butane																
Refinery	258	14	272	674	108	232	1,014	571	387	1,132	4	15	2,109	162	483	4,040
Bulk Terminal	--	--	276	--	--	--	2,595	--	--	--	--	--	5,510	0	695	9,076
Pipeline	--	--	91	--	--	--	1,058	--	--	--	--	--	749	86	0	1,984
Natural Gas Processing Plant	40	3	43	41	10	366	417	222	884	89	54	23	1,272	33	12	1,777
Total	--	--	682	--	--	--	5,084	--	--	--	--	--	9,640	281	1,190	16,877
Isobutane																
Refinery	59	0	59	235	68	101	404	202	467	535	17	5	1,226	57	88	1,834
Bulk Terminal	--	--	2	--	--	--	1,113	--	--	--	--	--	3,696	0	75	4,886
Pipeline	--	--	0	--	--	--	503	--	--	--	--	--	526	47	0	1,076
Natural Gas Processing Plant	2	3	5	17	0	127	144	53	688	74	16	7	838	8	4	999
Total	--	--	66	--	--	--	2,164	--	--	--	--	--	6,286	112	167	8,795
Other Hydrocarbons and Alcohol																
Refinery	66	0	66	74	2	18	94	0	68	75	0	2	145	9	20	334
Total	--	--	66	--	--	--	94	--	--	--	--	--	145	9	20	334
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,527	275	3,802	3,030	137	1,425	4,592	826	8,792	5,324	143	78	15,163	637	4,907	29,101
Kerosene and Light Gas Oils	2,219	184	2,403	1,416	107	242	1,765	716	5,362	2,460	147	3	8,688	363	4,230	17,449
Heavy Gas Oils	4,981	218	5,199	3,370	343	1,925	5,638	725	9,479	8,040	437	183	18,864	852	13,249	43,802
Residuum	1,028	133	1,161	2,635	3	1,069	3,707	347	6,663	4,022	105	0	11,137	533	5,387	21,925
Total	11,755	810	12,565	10,451	590	4,661	15,702	2,614	30,296	19,846	832	264	53,852	2,385	27,773	112,277

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, May 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,355	72	4,427	4,830	649	1,701	7,180	1,242	7,449	5,404	203	220	14,518	1,990	7,767	35,882
Bulk Terminal	--	--	155	--	--	--	403	--	--	--	--	--	816	5	22	1,401
Pipeline	--	--	0	--	--	--	8	--	--	--	--	--	0	0	0	8
Total	--	--	4,582	--	--	--	7,591	--	--	--	--	--	15,334	1,995	7,789	37,291
Aviation Gasoline Blending Components																
Refinery	0	0	0	61	0	13	74	0	0	52	0	0	52	0	41	167
Total	--	--	0	--	--	--	74	--	--	--	--	--	52	0	41	167
Total Finished Motor Gasoline																
Refinery	8,298	351	8,649	6,311	1,560	3,255	11,126	1,505	11,633	4,651	998	172	18,959	1,885	7,711	48,330
Bulk Terminal	--	--	35,635	--	--	--	26,965	--	--	--	--	--	10,393	1,742	12,288	87,023
Pipeline	--	--	14,429	--	--	--	17,700	--	--	--	--	--	18,088	1,179	2,068	53,464
Total	--	--	58,713	--	--	--	55,791	--	--	--	--	--	47,440	4,806	22,067	188,817
Finished Leaded Motor Gasoline																
Refinery	997	95	1,092	1,383	299	1,161	2,843	434	2,137	1,144	117	60	3,892	823	2,597	11,247
Bulk Terminal	--	--	6,917	--	--	--	7,465	--	--	--	--	--	2,845	711	3,882	21,820
Pipeline	--	--	2,264	--	--	--	4,400	--	--	--	--	--	4,176	620	335	11,795
Total	--	--	10,273	--	--	--	14,708	--	--	--	--	--	10,913	2,154	6,814	44,862
Finished Unleaded Motor Gasoline																
Refinery	7,301	256	7,557	4,928	1,261	2,094	8,283	1,071	9,496	3,507	881	112	15,067	1,062	5,114	37,083
Bulk Terminal	--	--	28,718	--	--	--	19,500	--	--	--	--	--	7,548	1,031	8,406	65,203
Pipeline	--	--	12,165	--	--	--	13,300	--	--	--	--	--	13,912	559	1,733	41,669
Total	--	--	48,440	--	--	--	41,083	--	--	--	--	--	36,527	2,652	15,253	143,955
Finished Aviation Gasoline																
Refinery	47	0	47	100	23	13	136	82	266	133	0	0	481	43	195	902
Bulk Terminal	--	--	270	--	--	--	333	--	--	--	--	--	53	14	270	940
Pipeline	--	--	20	--	--	--	93	--	--	--	--	--	23	0	0	136
Total	--	--	337	--	--	--	562	--	--	--	--	--	557	57	465	1,978

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, May 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	413	0	413	390	27	201	618	295	612	414	152	76	1,549	236	872	3,688
Bulk Terminal	--	--	840	--	--	--	358	--	--	--	--	--	173	23	586	1,980
Pipeline	--	--	109	--	--	--	193	--	--	--	--	--	404	107	372	1,185
Total	--	--	1,362	--	--	--	1,169	--	--	--	--	--	2,126	366	1,830	6,853
Kerosene-Type Jet Fuel																
Refinery	1,671	23	1,694	1,406	304	448	2,158	432	3,102	2,477	35	40	6,086	335	4,158	14,431
Bulk Terminal	--	--	4,282	--	--	--	2,862	--	--	--	--	--	2,230	246	2,272	11,892
Pipeline	--	--	3,811	--	--	--	2,950	--	--	--	--	--	5,099	176	851	12,887
Total	--	--	9,787	--	--	--	7,970	--	--	--	--	--	13,415	757	7,281	39,210
Kerosene																
Refinery	180	84	264	468	54	273	795	61	781	290	18	0	1,150	47	151	2,407
Bulk Terminal	--	--	1,650	--	--	--	676	--	--	--	--	--	208	29	43	2,606
Pipeline	--	--	63	--	--	--	190	--	--	--	--	--	198	0	7	458
Total	--	--	1,977	--	--	--	1,661	--	--	--	--	--	1,556	76	201	5,471
Distillate Fuel Oils																
Refinery	5,739	491	6,230	4,549	1,026	2,916	8,491	830	7,291	3,450	1,199	101	12,871	1,593	6,062	35,247
Bulk Terminal	--	--	22,257	--	--	--	12,570	--	--	--	--	--	4,805	861	5,361	45,854
Pipeline	--	--	6,416	--	--	--	7,797	--	--	--	--	--	7,763	464	1,332	23,772
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	6
Total	--	--	34,903	--	--	--	28,858	--	--	--	--	--	25,445	2,918	12,755	104,879
Residual Fuel Oils																
Refinery	2,663	81	2,744	1,821	320	148	2,289	218	4,083	3,217	182	10	7,710	488	5,858	19,089
Bulk Terminal	--	--	16,022	--	--	--	899	--	--	--	--	--	7,667	0	1,865	26,453
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	120	120
Total	--	--	18,766	--	--	--	3,188	--	--	--	--	--	15,377	488	7,843	45,662
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	502	0	502	285	0	92	377	48	780	258	9	9	1,104	25	90	2,098
Total	502	0	502	285	0	92	377	48	780	258	9	9	1,104	25	90	2,098
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	8	0	0	8	104	1,781	254	0	0	2,139	1	158	2,311
Total	5	0	5	8	0	0	8	104	1,781	254	0	0	2,139	1	158	2,311

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, May 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	512	40	552	149	0	103	252	93	1,239	8	196	0	1,536	7	145	2,492
Bulk Terminal	--	--	518	--	--	--	268	--	--	--	--	--	191	0	39	1,016
Total	--	--	1,070	--	--	--	520	--	--	--	--	--	1,727	7	184	3,508
Lubricants																
Refinery	266	867	1,133	1,020	0	186	1,206	13	4,264	1,533	414	0	6,224	92	1,164	9,819
Bulk Terminal	--	--	2,026	--	--	--	1,025	--	--	--	--	--	485	2	522	4,060
Total	--	--	3,159	--	--	--	2,231	--	--	--	--	--	6,709	94	1,686	13,879
Waxes																
Refinery	0	77	77	69	0	27	96	45	260	113	19	0	437	87	106	803
Total	--	--	77	--	--	--	96	--	--	--	--	--	437	87	106	803
Petroleum Coke																
Refinery	496	0	496	343	2,006	196	2,545	12	305	1,981	216	0	2,514	17	1,913	7,485
Total	496	0	496	343	2,006	196	2,545	12	305	1,981	216	0	2,514	17	1,913	7,485
Asphalt and Road Oil																
Refinery	2,362	379	2,741	4,640	2,304	1,502	8,446	593	1,066	666	1,464	303	4,092	3,077	2,330	20,686
Bulk Terminal	--	--	4,689	--	--	--	4,312	--	--	--	--	--	743	63	329	10,136
Total	--	--	7,430	--	--	--	12,758	--	--	--	--	--	4,835	3,140	2,659	30,822
Miscellaneous Products																
Refinery	369	35	404	213	11	10	234	42	372	183	0	0	597	42	235	1,512
Bulk Terminal	--	--	920	--	--	--	116	--	--	--	--	--	911	0	36	1,983
Pipeline	--	--	0	--	--	--	60	--	--	--	--	--	271	0	100	431
Natural Gas Processing Plant	0	0	0	0	0	0	0	18	0	1	2	0	21	0	0	21
Total	--	--	1,324	--	--	--	410	--	--	--	--	--	1,800	42	371	3,947
Total Stocks, All Oils	**--**	**--**	**177,151**	**--**	**--**	**--**	**250,698**	**--**	**--**	**--**	**--**	**--**	**979,940**	**31,681**	**174,310**	**1,613,780**

1 Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 16. Stocks of Crude Oil and Petroleum
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	16,362	--	--	--	14,039	--	--	--	--	--	51,504	2,450	23,599	107,954
Tank Farms and Pipelines	--	--	1,148	--	--	--	66,788	--	--	--	--	--	100,743	9,720	29,778	208,177
Leases	--	--	37	--	--	--	1,463	--	--	--	--	--	16,638	1,136	1,599	20,873
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	550,056	0	0	550,056
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,854	21,854
Total	--	--	17,547	--	--	--	82,290	--	--	--	--	--	718,941	13,306	76,830	908,914
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,300	3,134	44,434	38,541	8,692	15,759	62,992	10,829	78,951	50,511	5,776	1,109	147,176	12,306	67,889	334,797
Bulk Terminal	--	--	86,786	--	--	--	64,942	--	--	--	--	--	71,889	2,710	23,392	249,719
Pipeline	--	--	26,773	--	--	--	34,398	--	--	--	--	--	38,870	2,440	4,619	107,100
Natural Gas Processing Plant	147	41	188	226	41	2,417	2,684	1,191	5,778	851	193	123	8,136	182	89	11,279
Total	--	--	158,181	--	--	--	165,016	--	--	--	--	--	266,071	17,638	95,989	702,895
Pentanes Plus																
Refinery	16	0	16	202	16	241	459	336	305	133	11	16	801	0	32	1,308
Bulk Terminal	--	--	23	--	--	--	1,278	--	--	--	--	--	2,663	0	1	3,965
Pipeline	--	--	0	--	--	--	745	--	--	--	--	--	1,113	81	0	1,939
Natural Gas Processing Plant	2	7	9	21	19	416	456	376	601	280	61	37	1,355	60	26	1,906
Total	--	--	48	--	--	--	2,938	--	--	--	--	--	5,932	141	59	9,118
Liquefied Petroleum Gases																
Refinery	912	13	925	2,255	184	483	2,922	2,198	2,595	3,249	28	27	8,097	310	746	13,000
Bulk Terminal	--	--	1,386	--	--	--	17,837	--	--	--	--	--	42,047	53	1,491	62,814
Pipeline	--	--	1,535	--	--	--	6,507	--	--	--	--	--	6,249	428	0	14,719
Natural Gas Processing Plant	145	34	179	205	22	2,001	2,228	797	5,172	568	130	86	6,753	122	63	9,345
Total	--	--	4,025	--	--	--	29,494	--	--	--	--	--	63,146	913	2,300	99,878
Ethane																
Refinery	18	0	18	1	0	0	1	65	303	0	0	0	368	0	0	387
Bulk Terminal	--	--	1	--	--	--	1,883	--	--	--	--	--	10,449	0	0	12,333
Pipeline	--	--	0	--	--	--	1,158	--	--	--	--	--	2,291	119	0	3,568
Natural Gas Processing Plant	0	0	0	17	0	342	359	52	1,770	2	9	25	1,858	3	0	2,220
Total	--	--	19	--	--	--	3,401	--	--	--	--	--	14,966	122	0	18,508

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, June 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	588	6	594	1,385	30	141	1,556	1,250	1,408	1,420	6	4	4,088	104	110	6,452
Bulk Terminal	--	--	874	--	--	--	11,530	--	--	--	--	--	21,078	53	230	33,765
Pipeline	--	--	1,458	--	--	--	3,830	--	--	--	--	--	2,650	173	0	8,111
Natural Gas Processing Plant	90	23	113	116	15	918	1,049	453	1,640	384	56	41	2,574	88	44	3,868
Total	--	--	3,039	--	--	--	17,965	--	--	--	--	--	30,390	418	384	52,196
Normal Butane																
Refinery	247	7	254	625	86	247	958	675	418	1,273	5	17	2,388	149	539	4,288
Bulk Terminal	--	--	509	--	--	--	3,430	--	--	--	--	--	6,481	0	1,180	11,600
Pipeline	--	--	77	--	--	--	1,027	--	--	--	--	--	656	88	0	1,848
Natural Gas Processing Plant	53	5	58	53	7	587	647	227	1,045	121	49	15	1,457	24	12	2,198
Total	--	--	898	--	--	--	6,062	--	--	--	--	--	10,982	261	1,731	19,934
Isobutane																
Refinery	59	0	59	244	68	95	407	208	466	556	17	6	1,253	57	97	1,873
Bulk Terminal	--	--	2	--	--	--	994	--	--	--	--	--	4,039	0	81	5,116
Pipeline	--	--	0	--	--	--	492	--	--	--	--	--	652	48	0	1,192
Natural Gas Processing Plant	2	6	8	19	0	154	173	65	717	61	16	5	864	7	7	1,059
Total	--	--	69	--	--	--	2,066	--	--	--	--	--	6,808	112	185	9,240
Other Hydrocarbons and Alcohol																
Refinery	10	0	10	55	2	44	101	0	77	98	0	3	178	9	16	314
Total	--	--	10	--	--	--	101	--	--	--	--	--	178	9	16	314
Unfinished Oils																
Refinery																
Naphthas and Lighter	4,024	224	4,248	3,344	110	1,325	4,779	771	7,661	5,241	149	76	13,898	589	4,457	27,971
Kerosene and Light Gas Oils	2,101	162	2,263	1,728	99	320	2,147	688	6,490	1,979	123	2	9,282	390	4,241	18,323
Heavy Gas Oils	5,202	283	5,485	2,783	298	1,800	4,881	813	10,714	8,448	404	158	20,537	847	15,240	46,990
Residuum	1,157	137	1,294	3,097	6	1,177	4,280	511	5,757	4,353	67	0	10,688	366	5,511	22,139
Total	12,484	806	13,290	10,952	513	4,622	16,087	2,783	30,622	20,021	743	236	54,405	2,192	29,449	115,423

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, June 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	3,973	73	4,046	4,415	506	1,659	6,580	1,135	6,630	5,950	167	170	14,052	1,616	7,393	33,687
Bulk Terminal	--	--	214	--	--	--	276	--	--	--	--	--	913	3	40	1,446
Pipeline	--	--	29	--	--	--	62	--	--	--	--	--	0	0	0	91
Total	--	--	4,289	--	--	--	6,918	--	--	--	--	--	14,965	1,619	7,433	35,224
Aviation Gasoline Blending Components																
Refinery	0	0	0	87	0	12	99	0	0	56	0	0	56	0	26	181
Total	--	--	0	--	--	--	99	--	--	--	--	--	56	0	26	181
Total Finished Motor Gasoline																
Refinery	7,754	459	8,213	5,104	1,182	2,777	9,063	1,613	11,378	4,721	885	172	18,769	1,872	7,287	45,204
Bulk Terminal	--	--	32,458	--	--	--	23,095	--	--	--	--	--	9,923	1,542	10,470	77,488
Pipeline	--	--	15,154	--	--	--	15,951	--	--	--	--	--	17,916	1,183	1,968	52,172
Total	--	--	55,825	--	--	--	48,109	--	--	--	--	--	46,608	4,597	19,725	174,864
Finished Leaded Motor Gasoline																
Refinery	913	146	1,059	1,137	308	939	2,384	443	2,202	1,175	158	62	4,040	809	2,408	10,700
Bulk Terminal	--	--	6,592	--	--	--	7,020	--	--	--	--	--	3,121	686	3,244	20,663
Pipeline	--	--	2,468	--	--	--	4,384	--	--	--	--	--	3,630	449	395	11,326
Total	--	--	10,119	--	--	--	13,788	--	--	--	--	--	10,791	1,944	6,047	42,689
Finished Unleaded Motor Gasoline																
Refinery	6,841	313	7,154	3,967	874	1,838	6,679	1,170	9,176	3,546	727	110	14,729	1,063	4,879	34,504
Bulk Terminal	--	--	25,866	--	--	--	16,075	--	--	--	--	--	6,802	856	7,226	56,825
Pipeline	--	--	12,686	--	--	--	11,567	--	--	--	--	--	14,286	734	1,573	40,846
Total	--	--	45,706	--	--	--	34,321	--	--	--	--	--	35,817	2,653	13,678	132,175
Finished Aviation Gasoline																
Refinery	64	0	64	77	30	10	117	83	229	72	0	0	384	43	159	767
Bulk Terminal	--	--	269	--	--	--	287	--	--	--	--	--	57	19	251	883
Pipeline	--	--	0	--	--	--	151	--	--	--	--	--	6	0	0	157
Total	--	--	333	--	--	--	555	--	--	--	--	--	447	62	410	1,807

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, June 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	413	0	413	314	14	197	525	279	489	502	116	73	1,459	228	785	3,410
Bulk Terminal	--	--	1,126	--	--	--	313	--	--	--	--	--	113	17	595	2,164
Pipeline	--	--	42	--	--	--	168	--	--	--	--	--	515	81	361	1,167
Total	--	--	1,581	--	--	--	1,006	--	--	--	--	--	2,087	326	1,741	6,741
Kerosene-Type Jet Fuel																
Refinery	1,996	22	2,018	1,339	293	428	2,060	452	3,024	2,295	45	41	5,857	382	4,351	14,668
Bulk Terminal	--	--	4,037	--	--	--	2,952	--	--	--	--	--	2,043	190	2,139	11,361
Pipeline	--	--	3,906	--	--	--	2,810	--	--	--	--	--	5,083	165	818	12,782
Total	--	--	9,961	--	--	--	7,822	--	--	--	--	--	12,983	737	7,308	38,811
Kerosene																
Refinery	278	82	360	457	80	241	778	61	787	241	42	0	1,131	46	161	2,476
Bulk Terminal	--	--	1,750	--	--	--	677	--	--	--	--	--	334	29	54	2,844
Pipeline	--	--	186	--	--	--	178	--	--	--	--	--	280	0	6	650
Total	--	--	2,296	--	--	--	1,633	--	--	--	--	--	1,745	75	221	5,970
Distillate Fuel Oils																
Refinery	7,096	410	7,506	5,112	1,601	2,823	9,536	887	9,461	3,801	1,341	99	15,589	1,910	6,196	40,737
Bulk Terminal	--	--	24,013	--	--	--	12,410	--	--	--	--	--	4,328	795	5,226	46,772
Pipeline	--	--	5,921	--	--	--	7,786	--	--	--	--	--	7,424	502	1,269	22,902
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	5	2	0	0	7	0	0	7
Total	--	--	37,440	--	--	--	29,732	--	--	--	--	--	27,348	3,207	12,691	110,418
Residual Fuel Oils																
Refinery	2,119	87	2,206	2,056	361	158	2,575	158	3,401	3,359	123	11	7,052	489	5,420	17,742
Bulk Terminal	--	--	14,205	--	--	--	800	--	--	--	--	--	7,100	0	2,129	24,234
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	189	189
Total	--	--	16,411	--	--	--	3,375	--	--	--	--	--	14,152	489	7,738	42,165
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	438	0	438	211	0	102	313	72	826	282	9	11	1,200	17	117	2,085
Total	438	0	438	211	0	102	313	72	826	282	9	11	1,200	17	117	2,085
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	6	0	0	6	100	1,646	301	0	0	2,047	2	83	2,142
Total	4	0	4	6	0	0	6	100	1,646	301	0	0	2,047	2	83	2,142

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, June 30, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	561	41	602	94	0	103	197	88	1,285	7	207	0	1,587	5	143	2,534
Bulk Terminal	--	--	469	--	--	--	339	--	--	--	--	--	268	0	34	1,110
Total	--	--	1,071	--	--	--	536	--	--	--	--	--	1,855	5	177	3,644
Lubricants																
Refinery	260	766	1,026	1,157	0	389	1,546	16	4,278	1,581	421	0	6,296	100	1,339	10,307
Bulk Terminal	--	--	1,924	--	--	--	696	--	--	--	--	--	390	1	616	3,627
Total	--	--	2,950	--	--	--	2,242	--	--	--	--	--	6,686	101	1,955	13,934
Waxes																
Refinery	0	66	66	63	0	27	90	59	241	133	25	0	458	73	104	791
Total	--	--	66	--	--	--	90	--	--	--	--	--	458	73	104	791
Petroleum Coke																
Refinery	578	0	578	239	1,982	204	2,425	10	431	2,670	215	0	3,326	13	1,838	8,180
Total	578	0	578	239	1,982	204	2,425	10	431	2,670	215	0	3,326	13	1,838	8,180
Asphalt and Road Oil																
Refinery	2,075	278	2,353	4,221	1,917	1,226	7,364	451	839	824	1,398	250	3,762	2,951	1,967	18,397
Bulk Terminal	--	--	4,215	--	--	--	3,876	--	--	--	--	--	851	60	312	9,314
Total	--	--	6,568	--	--	--	11,240	--	--	--	--	--	4,613	3,011	2,279	27,711
Miscellaneous Products																
Refinery	269	31	300	125	11	13	149	48	407	215	0	0	670	48	277	1,444
Bulk Terminal	--	--	697	--	--	--	106	--	--	--	--	--	859	1	34	1,697
Pipeline	--	--	0	--	--	--	40	--	--	--	--	--	284	0	8	332
Natural Gas Processing Plant	0	0	0	0	0	0	0	18	0	1	2	0	21	0	0	21
Total	--	--	997	--	--	--	295	--	--	--	--	--	1,834	49	319	3,494
Total Stocks, All Oils	--	--	**175,728**	--	--	--	**247,306**	--	--	--	--	--	**985,012**	**30,944**	**172,819**	**1,611,809**

1 Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, July 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,841	--	--	--	13,484	--	--	--	--	--	50,624	2,074	23,252	103,275
Tank Farms and Pipelines	--	--	1,255	--	--	--	63,454	--	--	--	--	--	102,052	9,716	29,266	205,743
Leases	--	--	37	--	--	--	1,433	--	--	--	--	--	16,650	1,175	1,786	21,081
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	551,344	0	0	551,344
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	19,391	19,391
Total	--	--	15,133	--	--	--	78,371	--	--	--	--	--	720,670	12,965	73,695	900,834
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,015	3,221	46,236	39,272	8,345	15,654	63,271	11,591	80,365	48,742	5,726	1,160	147,584	11,541	66,754	335,386
Bulk Terminal	--	--	95,380	--	--	--	70,283	--	--	--	--	--	75,829	2,866	24,241	268,599
Pipeline	--	--	27,745	--	--	--	35,513	--	--	--	--	--	40,672	2,326	5,182	111,438
Natural Gas Processing Plant	156	52	208	295	48	2,870	3,213	1,263	6,717	817	183	146	9,126	192	123	12,862
Total	--	--	169,569	--	--	--	172,280	--	--	--	--	--	273,211	16,925	96,300	728,285
Pentanes Plus																
Refinery	19	0	19	224	16	184	424	404	330	240	13	16	1,003	0	33	1,479
Bulk Terminal	--	--	12	--	--	--	1,775	--	--	--	--	--	2,351	0	1	4,139
Pipeline	--	--	0	--	--	--	899	--	--	--	--	--	1,008	82	0	1,989
Natural Gas Processing Plant	5	12	17	18	16	406	440	389	646	280	54	45	1,414	59	24	1,954
Total	--	--	48	--	--	--	3,538	--	--	--	--	--	5,776	141	58	9,561
Liquefied Petroleum Gases																
Refinery	1,161	12	1,173	2,508	176	511	3,195	2,693	2,481	3,885	23	33	9,115	389	796	14,668
Bulk Terminal	--	--	1,747	--	--	--	21,097	--	--	--	--	--	46,169	62	1,969	71,044
Pipeline	--	--	1,691	--	--	--	6,813	--	--	--	--	--	6,142	428	0	15,074
Natural Gas Processing Plant	151	40	191	277	32	2,464	2,773	852	6,064	534	127	101	7,678	133	99	10,874
Total	--	--	4,802	--	--	--	33,878	--	--	--	--	--	69,104	1,012	2,864	111,660
Ethane																
Refinery	17	0	17	1	0	0	1	114	242	0	0	0	356	0	0	374
Bulk Terminal	--	--	1	--	--	--	2,039	--	--	--	--	--	9,902	0	0	11,942
Pipeline	--	--	0	--	--	--	1,483	--	--	--	--	--	2,330	122	0	3,935
Natural Gas Processing Plant	0	0	0	17	0	408	425	65	1,769	2	11	10	1,857	2	0	2,284
Total	--	--	18	--	--	--	3,948	--	--	--	--	--	14,445	124	0	18,535

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, July 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	825	6	831	1,560	43	172	1,775	1,654	1,345	1,430	8	4	4,441	148	115	7,310
Bulk Terminal	--	--	1,195	--	--	--	13,685	--	--	--	--	--	23,803	62	377	39,122
Pipeline	--	--	1,574	--	--	--	3,650	--	--	--	--	--	2,420	170	0	7,814
Natural Gas Processing Plant	97	29	126	170	19	1,131	1,320	501	1,916	335	55	61	2,868	86	85	4,485
Total	--	--	3,726	--	--	--	20,430	--	--	--	--	--	33,532	466	577	58,731
Normal Butane																
Refinery	262	6	268	651	71	244	966	747	435	1,877	5	19	3,083	169	568	5,054
Bulk Terminal	--	--	550	--	--	--	4,209	--	--	--	--	--	8,398	0	1,478	14,635
Pipeline	--	--	117	--	--	--	1,027	--	--	--	--	--	827	88	0	2,059
Natural Gas Processing Plant	53	8	61	73	13	737	823	235	1,575	114	47	22	1,993	41	9	2,927
Total	--	--	996	--	--	--	7,025	--	--	--	--	--	14,301	298	2,055	24,675
Isobutane																
Refinery	57	0	57	296	62	95	453	178	459	578	10	10	1,235	72	113	1,930
Bulk Terminal	--	--	1	--	--	--	1,164	--	--	--	--	--	4,066	0	114	5,345
Pipeline	--	--	0	--	--	--	653	--	--	--	--	--	565	48	0	1,266
Natural Gas Processing Plant	1	3	4	17	0	188	205	51	804	83	14	8	960	4	5	1,178
Total	--	--	62	--	--	--	2,475	--	--	--	--	--	6,826	124	232	9,719
Other Hydrocarbons and Alcohol																
Refinery	11	0	11	34	2	45	81	0	72	64	0	2	138	18	7	255
Total	--	--	11	--	--	--	81	--	--	--	--	--	138	18	7	255
Unfinished Oils																
Refinery																
Naphthas and Lighter	4,065	205	4,270	3,401	103	1,372	4,876	847	7,984	4,326	118	60	13,335	561	4,050	27,092
Kerosene and Light Gas Oils	2,147	220	2,367	1,530	121	192	1,843	589	6,725	2,247	88	3	9,652	430	3,808	18,100
Heavy Gas Oils	5,927	283	6,210	3,008	351	1,854	5,213	677	10,842	7,418	401	175	19,513	755	15,547	47,238
Residuum	1,016	147	1,163	3,223	6	1,185	4,414	532	5,137	4,572	62	0	10,303	367	5,311	21,558
Total	13,155	855	14,010	11,162	581	4,603	16,346	2,645	30,688	18,563	669	238	52,803	2,113	28,716	113,988

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, July 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,805	71	4,876	4,483	476	1,532	6,491	1,265	7,372	4,628	125	188	13,578	1,625	7,799	34,369
Bulk Terminal	--	--	218	--	--	--	290	--	--	--	--	--	877	11	28	1,424
Pipeline	--	--	0	--	--	--	38	--	--	--	--	--	0	0	0	38
Total	--	--	5,094	--	--	--	6,819	--	--	--	--	--	14,455	1,636	7,827	35,831
Aviation Gasoline Blending Components																
Refinery	0	0	0	227	0	8	235	0	0	48	0	0	48	0	49	332
Total	--	--	0	--	--	--	235	--	--	--	--	--	48	0	49	332
Total Finished Motor Gasoline																
Refinery	7,753	421	8,174	5,115	1,213	2,446	8,774	1,742	11,689	5,825	654	141	20,051	1,483	7,141	45,623
Bulk Terminal	--	--	35,446	--	--	--	23,528	--	--	--	--	--	9,889	1,563	10,365	80,791
Pipeline	--	--	13,797	--	--	--	16,524	--	--	--	--	--	19,260	990	2,456	53,027
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	57,417	--	--	--	48,826	--	--	--	--	--	49,201	4,036	19,962	179,442
Finished Leaded Motor Gasoline																
Refinery	1,113	102	1,215	992	279	1,016	2,287	550	2,221	1,272	142	49	4,234	724	2,283	10,743
Bulk Terminal	--	--	8,180	--	--	--	7,825	--	--	--	--	--	3,138	544	3,066	22,753
Pipeline	--	--	2,373	--	--	--	4,156	--	--	--	--	--	3,733	448	360	11,070
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1
Total	--	--	11,768	--	--	--	14,268	--	--	--	--	--	11,106	1,716	5,709	44,567
Finished Unleaded Motor Gasoline																
Refinery	6,640	319	6,959	4,123	934	1,430	6,487	1,192	9,468	4,553	512	92	15,817	759	4,858	34,880
Bulk Terminal	--	--	27,266	--	--	--	15,703	--	--	--	--	--	6,751	1,019	7,299	58,038
Pipeline	--	--	11,424	--	--	--	12,368	--	--	--	--	--	15,527	542	2,096	41,957
Total	--	--	45,649	--	--	--	34,558	--	--	--	--	--	38,095	2,320	14,253	134,875
Finished Aviation Gasoline																
Refinery	39	0	39	75	28	16	119	72	274	147	0	0	493	32	184	867
Bulk Terminal	--	--	223	--	--	--	247	--	--	--	--	--	47	16	214	747
Pipeline	--	--	20	--	--	--	140	--	--	--	--	--	9	0	0	169
Total	--	--	282	--	--	--	506	--	--	--	--	--	549	48	398	1,783

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, July 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	457	0	457	304	24	174	502	260	618	464	133	132	1,607	248	656	3,470
Bulk Terminal	--	--	922	--	--	--	255	--	--	--	--	--	167	7	505	1,856
Pipeline	--	--	107	--	--	--	205	--	--	--	--	--	599	105	407	1,423
Total	--	--	1,486	--	--	--	962	--	--	--	--	--	2,373	360	1,568	6,749
Kerosene-Type Jet Fuel																
Refinery	2,128	20	2,148	1,321	277	580	2,178	441	3,510	2,514	47	48	6,560	414	4,381	15,681
Bulk Terminal	--	--	4,280	--	--	--	3,125	--	--	--	--	--	1,560	243	2,201	11,409
Pipeline	--	--	3,943	--	--	--	2,882	--	--	--	--	--	5,261	132	840	13,058
Total	--	--	10,371	--	--	--	8,185	--	--	--	--	--	13,381	789	7,422	40,148
Kerosene																
Refinery	181	83	264	516	75	271	862	54	631	396	73	0	1,154	19	173	2,472
Bulk Terminal	--	--	1 867	--	--	--	722	--	--	--	--	--	467	28	53	3,137
Pipeline	--	--	219	--	--	--	101	--	--	--	--	--	276	0	6	602
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	--	--	2,350	--	--	--	1,685	--	--	--	--	--	1,897	47	232	6,211
Distillate Fuel Oils																
Refinery	6,971	501	7,472	4,656	1,741	3,015	9,412	1,035	9,319	3,802	1,494	118	15,768	1,700	5,650	40,002
Bulk Terminal	--	--	29,264	--	--	--	13,380	--	--	--	--	--	5,600	873	5,396	54,513
Pipeline	--	--	7,968	--	--	--	7,799	--	--	--	--	--	7,833	589	1,243	25,432
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	6	2	0	0	8	0	0	8
Total	--	--	44,704	--	--	--	30,591	--	--	--	--	--	29,209	3,162	12,289	119,955
Residual Fuel Oils																
Refinery	2,337	88	2,425	2,428	359	177	2,964	153	3,011	2,454	188	16	5,822	482	5,068	16,761
Bulk Terminal	--	--	14,154	--	--	--	858	--	--	--	--	--	6,393	0	2,674	24,079
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	167	167
Total	--	--	16,579	--	--	--	3,822	--	--	--	--	--	12,215	482	7,909	41,007
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	570	0	570	229	0	104	333	47	833	245	45	9	1,179	24	105	2,211
Total	570	0	570	229	0	104	333	47	833	245	45	9	1,179	24	105	2,211
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	2	0	2	9	0	0	9	108	1,594	317	0	0	2,019	2	218	2,250
Total	2	0	2	9	0	0	9	108	1,594	317	0	0	2,019	2	218	2,250

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, July 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	474	35	509	134	0	85	219	87	1,184	7	199	0	1,477	6	141	2,352
Bulk Terminal	514	0	548	488	0	0	506	0	0	0	0	0	141	0	20	1,215
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1,057	0	0	0	725	0	0	0	0	0	1,618	6	161	3,567
Lubricants																
Refinery	271	835	1,106	1,157	0	411	1,568	14	4,264	1,489	473	0	6,240	99	1,341	10,354
Bulk Terminal	--	--	1,887	--	--	--	771	--	--	--	--	--	536	1	544	3,739
Total	--	--	2,993	--	--	--	2,339	--	--	--	--	--	6,776	100	1,885	14,093
Waxes																
Refinery	0	88	88	80	0	35	115	64	229	134	31	0	458	127	114	902
Total	--	--	88	--	--	--	115	--	--	--	--	--	458	127	114	902
Petroleum Coke																
Refinery	532	0	532	308	1,977	279	2,564	15	863	2,347	216	0	3,441	17	1,916	8,470
Total	532	0	532	308	1,977	279	2,564	15	863	2,347	216	0	3,441	17	1,916	8,470
Asphalt and Road Oil																
Refinery	1,784	183	1,967	4,148	1,380	1,162	6,690	455	994	967	1,343	219	3,978	2,684	2,002	17,321
Bulk Terminal	--	--	4,279	--	--	--	3,647	--	--	--	--	--	766	61	237	8,990
Total	--	--	6,246	--	--	--	10,337	--	--	--	--	--	4,744	2,745	2,239	26,311
Miscellaneous Products																
Refinery	365	29	394	154	20	16	190	37	409	206	0	0	652	59	264	1,559
Bulk Terminal	--	--	533	--	--	--	82	--	--	--	--	--	866	1	34	1,516
Pipeline	--	--	0	--	--	--	112	--	--	--	--	--	284	0	63	459
Natural Gas Processing Plant	0	0	0	0	0	0	0	22	0	1	2	0	25	0	0	25
Total	--	--	927	--	--	--	384	--	--	--	--	--	1,827	60	361	3,559
Total Stocks, All Oils	**--**	**--**	**184,702**	**--**	**--**	**--**	**250,651**	**--**	**--**	**--**	**--**	**--**	**993,881**	**29,890**	**169,995**	**1,629,119**

[1] Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products By PAD District, August 31
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,758	--	--	--	12,238	--	--	--	--	--	48,402	1,704	24,705	101,807
Tank Farms and Pipelines	--	--	1,351	--	--	--	54,980	--	--	--	--	--	97,114	9,063	32,419	194,927
Leases	--	--	35	--	--	--	1,405	--	--	--	--	--	16,358	1,131	1,814	20,743
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	552,145	0	0	552,145
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	16,087	16,087
Total	--	--	16,144	--	--	--	68,623	--	--	--	--	--	714,019	11,898	75,025	885,709
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	43,502	3,005	46,507	39,674	7,633	15,566	62,873	10,748	80,981	47,783	5,689	1,135	146,336	10,760	66,217	332,693
Bulk Terminal	--	--	101,119	--	--	--	76,209	--	--	--	--	--	78,656	2,745	24,059	282,788
Pipeline	--	--	26,028	--	--	--	34,929	--	--	--	--	--	40,993	2,413	4,387	108,750
Natural Gas Processing Plant	160	29	189	337	73	2,776	3,186	1,302	7,470	833	157	122	9,884	173	147	13,579
Total	--	--	173,843	--	--	--	177,197	--	--	--	--	--	275,869	16,091	94,810	737,810
Pentanes Plus																
Refinery	17	0	17	205	62	182	449	300	193	148	11	28	680	1	65	1,212
Bulk Terminal	--	--	29	--	--	--	1,935	--	--	--	--	--	2,709	0	40	4,713
Pipeline	--	--	0	--	--	--	637	--	--	--	--	--	1,063	81	0	1,781
Natural Gas Processing Plant	3	5	8	26	23	427	476	392	729	277	42	33	1,473	52	21	2,030
Total	--	--	54	--	--	--	3,497	--	--	--	--	--	5,925	134	126	9,736
Liquefied Petroleum Gases																
Refinery	1,226	10	1,236	2,639	155	519	3,313	2,524	2,285	3,500	24	32	8,365	406	765	14,085
Bulk Terminal	--	--	2,259	--	--	--	24,849	--	--	--	--	--	50,100	90	2,540	79,838
Pipeline	--	--	1,974	--	--	--	6,218	--	--	--	--	--	6,491	427	0	15,110
Natural Gas Processing Plant	157	24	181	311	50	2,349	2,710	885	6,737	554	115	89	8,380	121	126	11,518
Total	--	--	5,650	--	--	--	37,090	--	--	--	--	--	73,336	1,044	3,431	120,551
Ethane																
Refinery	21	0	21	1	0	0	1	38	163	0	0	0	201	0	0	223
Bulk Terminal	--	--	2	--	--	--	2,158	--	--	--	--	--	9,611	0	0	11,771
Pipeline	--	--	0	--	--	--	1,451	--	--	--	--	--	2,462	123	0	4,036
Natural Gas Processing Plant	0	0	0	17	0	250	267	84	1,603	2	8	16	1,713	3	0	1,983
Total	--	--	23	--	--	--	3,877	--	--	--	--	--	13,987	126	0	18,013

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, August 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	955	3	958	1,683	21	161	1,865	1,489	1,252	1,309	6	4	4,060	164	112	7,159
Bulk Terminal	--	--	1,708	--	--	--	16,727	--	--	--	--	--	25,253	89	522	44,299
Pipeline	--	--	1,874	--	--	--	3,011	--	--	--	--	--	2,746	165	0	7,796
Natural Gas Processing Plant	104	18	122	192	29	1,102	1,323	498	1,716	401	43	49	2,707	76	112	4,340
Total	--	--	4,662	--	--	--	22,926	--	--	--	--	--	34,766	494	746	63,594
Normal Butane																
Refinery	206	7	213	665	55	263	983	757	360	1,697	4	17	2,835	169	575	4,775
Bulk Terminal	--	--	547	--	--	--	4,786	--	--	--	--	--	10,958	1	1,831	18,123
Pipeline	--	--	97	--	--	--	1,232	--	--	--	--	--	766	90	0	2,185
Natural Gas Processing Plant	51	1	52	84	21	783	888	256	2,315	90	51	17	2,729	37	10	3,716
Total	--	--	909	--	--	--	7,889	--	--	--	--	--	17,288	297	2,416	28,799
Isobutane																
Refinery	44	0	44	290	79	95	464	240	510	494	14	11	1,269	73	78	1,928
Bulk Terminal	--	--	2	--	--	--	1,178	--	--	--	--	--	4,278	0	187	5,645
Pipeline	--	--	3	--	--	--	524	--	--	--	--	--	517	49	0	1,093
Natural Gas Processing Plant	2	5	7	18	0	214	232	47	1,103	61	13	7	1,231	5	4	1,479
Total	--	--	56	--	--	--	2,398	--	--	--	--	--	7,295	127	269	10,145
Other Hydrocarbons and Alcohol																
Refinery	8	0	8	57	2	47	106	0	66	91	0	5	162	28	7	311
Total	--	--	8	--	--	--	106	--	--	--	--	--	162	28	7	311
Unfinished Oils																
Refinery																
Naphthas and Lighter	4,008	223	4,231	3,255	153	1,207	4,615	804	8,667	4,885	183	31	14,570	534	4,724	28,674
Kerosene and Light Gas Oils	2,234	145	2,379	2,037	117	215	2,369	465	6,836	2,525	60	2	9,888	383	4,067	19,086
Heavy Gas Oils	5,136	308	5,444	2,847	309	1,608	4,764	612	9,327	6,842	456	159	17,396	685	14,459	42,748
Residuum	996	145	1,141	2,485	2	1,214	3,701	697	5,797	3,770	54	0	10,318	306	5,384	20,850
Total	12,374	821	13,195	10,624	581	4,244	15,449	2,578	30,627	18,022	753	192	52,172	1,908	28,634	111,358

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, August 31, 1988 (Continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,198	77	4,275	5,504	427	1,875	7,806	1,287	7,584	5,118	153	197	14,339	1,595	6,906	34,921
Bulk Terminal	--	--	213	--	--	--	300	--	--	--	--	--	1,054	18	22	1,607
Pipeline	--	--	0	--	--	--	57	--	--	--	--	--	7	0	0	64
Total	--	--	4,488	--	--	--	8,163	--	--	--	--	--	15,400	1,613	6,928	36,592
Aviation Gasoline Blending Components																
Refinery	0	0	0	28	0	2	30	0	0	56	0	0	56	0	27	113
Total	--	--	0	--	--	--	30	--	--	--	--	--	56	0	27	113
Total Finished Motor Gasoline																
Refinery	8,308	465	8,773	5,976	1,062	2,839	9,877	1,533	11,775	4,988	574	153	19,023	1,526	8,679	47,878
Bulk Terminal	--	--	35,464	--	--	--	25,850	--	--	--	--	--	9,752	1,621	10,324	83,011
Pipeline	--	--	13,150	--	--	--	16,767	--	--	--	--	--	19,560	1,087	2,052	52,616
Total	--	--	57,387	--	--	--	52,494	--	--	--	--	--	48,335	4,234	21,055	183,505
Finished Leaded Motor Gasoline																
Refinery	756	136	892	1,516	247	920	2,683	539	2,236	1,290	112	73	4,250	671	2,562	11,058
Bulk Terminal	--	--	8,656	--	--	--	7,838	--	--	--	--	--	3,125	659	3,320	23,598
Pipeline	--	--	1,960	--	--	--	3,936	--	--	--	--	--	3,081	574	307	9,858
Total	--	--	11,508	--	--	--	14,457	--	--	--	--	--	10,456	1,904	6,189	44,514
Finished Unleaded Motor Gasoline																
Refinery	7,552	329	7,881	4,460	815	1,919	7,194	994	9,539	3,698	462	80	14,773	855	6,117	36,820
Bulk Terminal	--	--	26,808	--	--	--	18,012	--	--	--	--	--	6,627	962	7,004	59,413
Pipeline	--	--	11,190	--	--	--	12,831	--	--	--	--	--	16,479	513	1,745	42,758
Total	--	--	45,879	--	--	--	38,037	--	--	--	--	--	37,879	2,330	14,866	138,991
Finished Aviation Gasoline																
Refinery	89	0	89	125	6	17	148	77	272	130	0	0	479	31	185	932
Bulk Terminal	--	--	258	--	--	--	286	--	--	--	--	--	63	14	258	879
Pipeline	--	--	0	--	--	--	79	--	--	--	--	--	16	0	0	95
Total	--	--	347	--	--	--	513	--	--	--	--	--	558	45	443	1,906

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, August 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	361	0	361	264	3	130	397	241	707	764	121	157	1,990	268	758	3,774
Bulk Terminal	--	--	881	--	--	--	288	--	--	--	--	--	141	14	544	1,868
Pipeline	--	--	126	--	--	--	143	--	--	--	--	--	468	87	427	1,251
Total	--	--	1,368	--	--	--	828	--	--	--	--	--	2,599	369	1,729	6,893
Kerosene-Type Jet Fuel																
Refinery	1,806	16	1,822	1,194	261	490	1,945	462	3,704	3,142	102	54	7,464	519	3,833	15,583
Bulk Terminal	--	--	3,999	--	--	--	2,787	--	--	--	--	--	2,039	92	2,490	11,407
Pipeline	--	--	3,626	--	--	--	2,907	--	--	--	--	--	5,329	201	693	12,756
Total	--	--	9,447	--	--	--	7,639	--	--	--	--	--	14,832	812	7,016	39,746
Kerosene																
Refinery	272	101	373	434	73	268	775	77	731	423	78	0	1,309	6	184	2,647
Bulk Terminal	--	--	2,469	--	--	--	857	--	--	--	--	--	624	28	47	4,025
Pipeline	--	--	113	--	--	--	99	--	--	--	--	--	280	0	4	496
Total	--	--	2,955	--	--	--	1,731	--	--	--	--	--	2,213	34	235	7,168
Distillate Fuel Oils																
Refinery	8,908	459	9,367	4,716	1,844	3,030	9,590	795	9,600	3,659	1,601	96	15,751	1,625	5,387	41,720
Bulk Terminal	--	--	35,916	--	--	--	13,523	--	--	--	--	--	5,231	834	4,345	59,849
Pipeline	--	--	7,039	--	--	--	7,922	--	--	--	--	--	7,481	530	1,143	24,115
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	4	1	0	0	5	0	0	5
Total	--	--	52,322	--	--	--	31,035	--	--	--	--	--	28,468	2,989	10,875	125,689
Residual Fuel Oils																
Refinery	1,951	83	2,034	2,267	252	178	2,697	189	3,322	2,460	181	19	6,171	524	5,303	16,729
Bulk Terminal	--	--	12,948	--	--	--	900	--	--	--	--	--	4,707	0	2,663	21,218
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	60	60
Total	--	--	14,982	--	--	--	3,597	--	--	--	--	--	10,878	524	8,026	38,007
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	468	0	468	245	0	89	334	43	775	237	42	11	1,108	8	122	2,040
Total	468	0	468	245	0	89	334	43	775	237	42	11	1,108	8	122	2,040
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	6	0	6	2	0	0	2	127	1,896	233	0	0	2,256	4	215	2,483
Total	6	0	6	2	0	0	2	127	1,896	233	0	0	2,256	4	215	2,483

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, August 31, 1988 (Continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	589	31	620	130	0	106	236	65	1,043	7	210	0	1,325	8	142	2,331
Bulk Terminal	494	0	555	535	0	0	554	0	0	0	0	0	109	0	20	1,238
Total	0	0	1,175	0	0	0	790	0	0	0	0	0	1,434	8	162	3,569
Lubricants																
Refinery	271	754	1,025	1,101	0	362	1,463	16	4,145	1,416	505	0	6,082	99	1,234	9,903
Bulk Terminal	--	--	1,890	--	--	--	764	--	--	--	--	--	575	1	538	3,768
Total	--	--	2,915	--	--	--	2,227	--	--	--	--	--	6,657	100	1,772	13,671
Waxes																
Refinery	0	74	74	74	0	36	110	67	250	126	29	0	472	92	121	869
Total	--	--	74	--	--	--	110	--	--	--	--	--	472	92	121	869
Petroleum Coke																
Refinery	641	0	641	361	1,479	238	2,078	19	518	2,209	252	0	2,998	22	1,820	7,559
Total	641	0	641	361	1,479	238	2,078	19	518	2,209	252	0	2,998	22	1,820	7,559
Asphalt and Road Oil																
Refinery	1,762	85	1,847	3,556	1,404	903	5,863	310	996	821	1,053	191	3,371	2,034	1,614	14,729
Bulk Terminal	--	--	3,730	--	--	--	3,219	--	--	--	--	--	660	33	201	7,843
Total	--	--	5,577	--	--	--	9,082	--	--	--	--	--	4,031	2,067	1,815	22,572
Miscellaneous Products																
Refinery	247	29	276	172	22	11	205	38	492	233	0	0	763	56	216	1,516
Bulk Terminal	--	--	508	--	--	--	97	--	--	--	--	--	892	0	27	1,524
Pipeline	--	--	0	--	--	--	100	--	--	--	--	--	298	0	8	406
Natural Gas Processing Plant	0	0	0	0	0	0	0	25	0	1	0	0	26	0	0	26
Total	--	--	784	--	--	--	402	--	--	--	--	--	1,979	56	251	3,472
Total Stocks, All Oils	--	--	**189,987**	--	--	--	**245,820**	--	--	--	--	--	**989,888**	**27,989**	**169,835**	**1,623,519**

1 Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,555	--	--	--	11,135	--	--	--	--	--	51,054	1,736	24,614	102,094
Tank Farms and Pipelines	--	--	1,462	--	--	--	51,896	--	--	--	--	--	89,416	8,855	31,885	183,514
Leases	--	--	36	--	--	--	1,359	--	--	--	--	--	16,649	1,165	1,746	20,955
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	554,659	0	0	554,659
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	21,997	21,997
Total	--	--	15,053	--	--	--	64,390	--	--	--	--	--	711,778	11,756	80,242	883,219
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	42,290	2,979	45,269	37,167	6,829	16,035	60,031	10,669	77,800	46,518	5,302	1,128	141,417	10,882	69,627	327,226
Bulk Terminal	--	--	108,427	--	--	--	78,775	--	--	--	--	--	78,712	2,709	26,441	295,064
Pipeline	--	--	27,367	--	--	--	35,375	--	--	--	--	--	38,862	2,483	5,561	109,648
Natural Gas Processing Plant	159	39	198	296	44	2,573	2,913	1,230	7,528	823	134	82	9,797	156	172	13,236
Total	--	--	181,261	--	--	--	177,094	--	--	--	--	--	268,788	16,230	101,801	745,174
Pentanes Plus																
Refinery	18	0	18	202	76	135	413	346	199	121	9	24	699	1	54	1,185
Bulk Terminal	--	--	17	--	--	--	1,907	--	--	--	--	--	2,798	0	33	4,755
Pipeline	--	--	0	--	--	--	642	--	--	--	--	--	1,151	83	0	1,876
Natural Gas Processing Plant	4	13	17	25	8	448	481	370	756	323	33	15	1,497	50	19	2,064
Total	--	--	52	--	--	--	3,443	--	--	--	--	--	6,145	134	106	9,880
Liquefied Petroleum Gases																
Refinery	1,291	11	1,302	2,355	175	610	3,140	2,581	2,585	2,664	19	26	7,875	508	1,004	13,829
Bulk Terminal	--	--	2,409	--	--	--	25,490	--	--	--	--	--	49,623	123	2,878	80,523
Pipeline	--	--	1,959	--	--	--	7,032	--	--	--	--	--	6,249	429	0	15,669
Natural Gas Processing Plant	155	26	181	271	36	2,125	2,432	836	6,767	497	100	67	8,267	106	153	11,139
Total	--	--	5,851	--	--	--	38,094	--	--	--	--	--	72,014	1,166	4,035	121,160
Ethane																
Refinery	21	0	21	1	0	0	1	113	305	0	0	0	418	0	0	440
Bulk Terminal	--	--	2	--	--	--	2,930	--	--	--	--	--	9,229	0	0	12,161
Pipeline	--	--	0	--	--	--	1,226	--	--	--	--	--	2,499	125	0	3,850
Natural Gas Processing Plant	0	0	0	17	0	349	366	94	1,374	4	8	4	1,484	3	0	1,853
Total	--	--	23	--	--	--	4,523	--	--	--	--	--	13,630	128	0	18,304

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	1,013	1	1,014	1,606	28	166	1,800	1,407	1,289	1,153	4	5	3,858	161	169	7,002
Bulk Terminal	--	--	1,877	--	--	--	16,127	--	--	--	--	--	24,821	123	645	43,593
Pipeline	--	--	1,878	--	--	--	3,872	--	--	--	--	--	2,552	164	0	8,466
Natural Gas Processing Plant	113	19	132	173	29	916	1,118	451	1,706	318	44	45	2,564	62	137	4,013
Total	--	--	4,901	--	--	--	22,917	--	--	--	--	--	33,795	510	951	63,074
Normal Butane																
Refinery	206	10	216	509	68	324	901	756	410	1,259	4	17	2,446	208	623	4,394
Bulk Terminal	--	--	529	--	--	--	5,234	--	--	--	--	--	11,682	0	1,483	18,928
Pipeline	--	--	81	--	--	--	1,306	--	--	--	--	--	760	91	0	2,238
Natural Gas Processing Plant	41	2	43	65	7	645	717	223	2,434	96	37	14	2,804	35	10	3,609
Total	--	--	869	--	--	--	8,158	--	--	--	--	--	17,692	334	2,116	29,169
Isobutane																
Refinery	51	0	51	239	79	120	438	305	581	252	11	4	1,153	139	212	1,993
Bulk Terminal	--	--	1	--	--	--	1,199	--	--	--	--	--	3,891	0	750	5,841
Pipeline	--	--	0	--	--	--	628	--	--	--	--	--	438	49	0	1,115
Natural Gas Processing Plant	1	5	6	16	0	215	231	68	1,253	79	11	4	1,415	6	6	1,664
Total	--	-	58	--	--	--	2,496	--	--	--	--	--	6,897	194	968	10,613
Other Hydrocarbons and Alcohol																
Refinery	6	0	6	84	4	29	117	0	48	68	0	4	120	48	15	306
Total	--	--	6	--	--	--	117	--	--	--	--	--	120	48	15	306
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,536	162	3,698	2,996	155	1,052	4,203	666	7,997	4,908	231	32	13,834	651	5,240	27,626
Kerosene and Light Gas Oils	1,909	182	2,091	1,365	107	222	1,694	359	7,224	2,193	47	3	9,826	310	4,421	18,342
Heavy Gas Oils	6,495	247	6,742	3,121	283	2,209	5,613	812	8,045	6,843	388	155	16,243	689	14,598	43,885
Residuum	907	158	1,065	2,199	3	1,268	3,470	466	5,605	3,313	93	0	9,477	280	5,074	19,366
Total	12,847	749	13,596	9,681	548	4,751	14,980	2,303	28,871	17,257	759	190	49,380	1,930	29,333	109,219

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,305	126	4,431	5,536	583	2,001	8,120	1,379	7,835	5,773	133	205	15,325	1,735	7,537	37,148
Bulk Terminal	--	--	188	--	--	--	283	--	--	--	--	--	830	39	20	1,360
Pipeline	--	--	0	--	--	--	23	--	--	--	--	--	0	0	144	167
Total	--	--	4,619	--	--	--	8,426	--	--	--	--	--	16,155	1,774	7,701	38,675
Aviation Gasoline Blending Components																
Refinery	0	0	0	65	0	9	74	0	0	74	0	0	74	0	43	191
Total	--	--	0	--	--	--	74	--	--	--	--	--	74	0	43	191
Total Finished Motor Gasoline																
Refinery	6,652	445	7,097	5,465	980	2,761	9,206	1,699	10,475	4,393	550	135	17,252	1,787	9,102	44,444
Bulk Terminal	--	--	35,183	--	--	--	27,635	--	--	--	--	--	9,842	1,518	12,274	86,452
Pipeline	--	--	14,291	--	--	--	16,015	--	--	--	--	--	18,006	1,065	2,398	51,775
Total	--	--	56,571	--	--	--	52,856	--	--	--	--	--	45,100	4,370	23,774	182,671
Finished Leaded Motor Gasoline																
Refinery	624	132	756	1,035	269	907	2,211	534	1,807	743	139	53	3,276	828	2,449	9,520
Bulk Terminal	--	--	7,732	--	--	--	7,667	--	--	--	--	--	2,842	676	3,945	22,862
Pipeline	--	--	1,867	--	--	--	3,539	--	--	--	--	--	3,219	434	468	9,527
Total	--	--	10,355	--	--	--	13,417	--	--	--	--	--	9,337	1,938	6,862	41,909
Finished Unleaded Motor Gasoline																
Refinery	6,028	313	6,341	4,430	711	1,854	6,995	1,165	8,668	3,650	411	82	13,976	959	6,653	34,924
Bulk Terminal	--	--	27,451	--	--	--	19,968	--	--	--	--	--	7,000	842	8,329	63,590
Pipeline	--	--	12,424	--	--	--	12,476	--	--	--	--	--	14,787	631	1,930	42,248
Total	--	--	46,216	--	--	--	39,439	--	--	--	--	--	35,763	2,432	16,912	140,762
Finished Aviation Gasoline																
Refinery	49	0	49	114	20	13	147	84	312	139	0	0	535	32	224	987
Bulk Terminal	--	--	210	--	--	--	321	--	--	--	--	--	60	15	241	847
Pipeline	--	--	28	--	--	--	36	--	--	--	--	--	6	0	0	70
Total	--	--	287	--	--	--	504	--	--	--	--	--	601	47	465	1,904

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	351	0	351	249	6	155	410	211	671	587	102	189	1,760	253	632	3,406
Bulk Terminal	--	--	674	--	--	--	269	--	--	--	--	--	116	6	543	1,608
Pipeline	--	--	113	--	--	--	240	--	--	--	--	--	376	128	632	1,489
Total	--	--	1,138	--	--	--	919	--	--	--	--	--	2,252	387	1,807	6,503
Kerosene-Type Jet Fuel																
Refinery	1,548	15	1,563	1,484	209	489	2,182	409	3,667	2,767	35	66	6,944	451	4,001	15,141
Bulk Terminal	--	--	3,848	--	--	--	3,458	--	--	--	--	--	2,188	217	2,043	11,754
Pipeline	--	--	4,323	--	--	--	2,840	--	--	--	--	--	4,970	152	880	13,165
Total	--	--	9,734	--	--	--	8,480	--	--	--	--	--	14,102	820	6,924	40,060
Kerosene																
Refinery	244	78	322	541	272	274	1,087	63	611	524	97	0	1,295	8	177	2,889
Bulk Terminal	--	--	2,367	--	--	--	959	--	--	--	--	--	489	23	38	3,876
Pipeline	--	--	252	--	--	--	129	--	--	--	--	--	330	0	0	711
Total	--	--	2,941	--	--	--	2,175	--	--	--	--	--	2,114	31	215	7,476
Distillate Fuel Oils																
Refinery	9,150	526	9,676	4,615	1,145	2,991	8,751	695	9,892	3,812	1,553	80	16,032	1,391	6,316	42,166
Bulk Terminal	--	--	40,953	--	--	--	13,326	--	--	--	--	--	5,368	725	4,658	65,030
Pipeline	--	--	6,401	--	--	--	8,402	--	--	--	--	--	7,488	626	1,331	24,248
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	5	2	0	0	7	0	0	7
Total	--	--	57,030	--	--	--	30,479	--	--	--	--	--	28,895	2,742	12,305	131,451
Residual Fuel Oils																
Refinery	2,484	65	2,549	1,954	223	169	2,346	215	3,399	3,327	130	17	7,088	547	5,967	18,497
Bulk Terminal	--	--	16,807	--	--	--	1,114	--	--	--	--	--	5,118	0	2,952	25,991
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	104	104
Total	--	--	19,356	--	--	--	3,460	--	--	--	--	--	12,206	547	9,023	44,592
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	415	0	415	252	0	78	330	52	902	281	41	12	1,288	13	156	2,202
Total	415	0	415	252	0	78	330	52	902	281	41	12	1,288	13	156	2,202
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	5	0	5	2	0	0	2	126	1,182	95	0	0	1,403	4	232	1,646
Total	5	0	5	2	0	0	2	126	1,182	95	0	0	1,403	4	232	1,646

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	455	35	490	107	0	73	180	92	1,153	30	196	0	1,471	12	120	2,273
Bulk Terminal	390	0	423	417	0	0	436	0	0	0	0	0	108	0	19	986
Total	0	0	913	0	0	0	616	0	0	0	0	0	1,579	12	139	3,259
Lubricants																
Refinery	282	747	1,029	967	0	336	1,303	31	3,735	1,346	496	0	5,608	96	1,120	9,156
Bulk Terminal	--	--	1,596	--	--	--	670	--	--	--	--	--	605	1	513	3,385
Total	--	--	2,625	--	--	--	1,973	--	--	--	--	--	6,213	97	1,633	12,541
Waxes																
Refinery	0	62	62	91	0	42	133	70	231	141	13	0	455	62	117	829
Total	--	--	62	--	--	--	133	--	--	--	--	--	455	62	117	829
Petroleum Coke																
Refinery	653	0	653	281	1,109	222	1,612	12	859	2,049	252	0	3,172	9	1,804	7,250
Total	653	0	653	281	1,109	222	1,612	12	859	2,049	252	0	3,172	9	1,804	7,250
Asphalt and Road Oil																
Refinery	1,440	84	1,524	2,969	1,458	886	5,313	260	821	867	917	180	3,045	1,931	1,386	13,199
Bulk Terminal	--	--	3,205	--	--	--	2,816	--	--	--	--	--	672	42	196	6,931
Total	--	--	4,729	--	--	--	8,129	--	--	--	--	--	3,717	1,973	1,582	20,130
Miscellaneous Products																
Refinery	95	36	131	153	21	11	185	41	352	203	0	0	596	64	287	1,263
Bulk Terminal	--	--	547	--	--	--	91	--	--	--	--	--	895	0	33	1,566
Pipeline	--	--	0	--	--	--	16	--	--	--	--	--	286	0	72	374
Natural Gas Processing Plant	0	0	0	0	0	0	0	24	0	1	1	0	26	0	0	26
Total	--	--	678	--	--	--	292	--	--	--	--	--	1,803	64	392	3,229
Total Stocks, All Oils	**--**	**--**	**196,314**	**--**	**--**	**--**	**241,484**	**--**	**--**	**--**	**--**	**--**	**980,566**	**27,986**	**182,043**	**1,628,393**

1 Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, [illegible]
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	15,509	--	--	--	11,735	--	--	--	--	--	48,767	1,643	25,495	103,149
Tank Farms and Pipelines	--	--	1,253	--	--	--	55,662	--	--	--	--	--	92,788	9,002	31,883	190,588
Leases	--	--	39	--	--	--	1,603	--	--	--	--	--	16,724	1,214	1,744	21,324
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	556,001	0	0	556,001
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	24,527	24,527
Total	--	--	16,801	--	--	--	69,000	--	--	--	--	--	714,280	11,859	83,649	895,589
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,280	3,115	44,395	37,453	6,324	15,339	59,116	10,837	78,962	48,270	5,007	1,055	144,131	10,542	66,814	324,998
Bulk Terminal	--	--	103,922	--	--	--	73,167	--	--	--	--	--	77,969	2,790	26,569	284,417
Pipeline	--	--	28,359	--	--	--	35,368	--	--	--	--	--	39,907	2,420	5,345	111,399
Natural Gas Processing Plant	152	45	197	287	69	2,799	3,155	1,297	8,001	735	143	110	10,286	210	174	14,022
Total	--	--	176,873	--	--	--	170,806	--	--	--	--	--	272,293	15,962	98,902	734,836
Pentanes Plus																
Refinery	20	0	20	88	38	208	334	312	207	127	8	4	658	0	81	1,093
Bulk Terminal	--	--	18	--	--	--	1,739	--	--	--	--	--	2,536	0	29	4,322
Pipeline	--	--	0	--	--	--	541	--	--	--	--	--	1,029	81	0	1,651
Natural Gas Processing Plant	6	9	15	27	16	475	518	396	783	247	31	14	1,471	69	16	2,089
Total	--	--	53	--	--	--	3,132	--	--	--	--	--	5,694	150	126	9,155
Liquefied Petroleum Gases																
Refinery	1,550	9	1,559	2,149	195	624	2,968	2,488	2,614	3,189	18	25	8,334	467	1,243	14,571
Bulk Terminal	--	--	2,002	--	--	--	24,194	--	--	--	--	--	48,778	131	2,978	78,083
Pipeline	--	--	1,796	--	--	--	6,488	--	--	--	--	--	6,440	431	0	15,155
Natural Gas Processing Plant	146	36	182	260	53	2,324	2,637	872	7,213	485	111	96	8,777	141	158	11,895
Total	--	--	5,539	--	--	--	36,287	--	--	--	--	--	72,329	1,170	4,379	119,704
Ethane																
Refinery	18	0	18	1	0	0	1	92	258	0	0	0	350	0	0	369
Bulk Terminal	--	--	0	--	--	--	2,775	--	--	--	--	--	8,834	0	0	11,609
Pipeline	--	--	0	--	--	--	1,327	--	--	--	--	--	2,460	130	0	3,917
Natural Gas Processing Plant	0	0	0	17	0	478	495	91	1,424	5	13	26	1,559	2	0	2,056
Total	--	--	18	--	--	--	4,598	--	--	--	--	--	13,203	132	0	17,951

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	1,296	1	1,297	1,487	31	168	1,686	1,329	1,030	1,438	5	4	3,806	169	140	7,098
Bulk Terminal	--	--	1,641	--	--	--	15,030	--	--	--	--	--	24,769	131	708	42,279
Pipeline	--	--	1,728	--	--	--	3,469	--	--	--	--	--	2,857	163	0	8,217
Natural Gas Processing Plant	110	28	138	153	42	1,010	1,205	452	1,809	238	48	45	2,592	100	142	4,177
Total	--	--	4,804	--	--	--	21,390	--	--	--	--	--	34,024	563	990	61,771
Normal Butane																
Refinery	164	8	172	488	93	364	945	766	559	1,560	3	12	2,900	164	870	5,051
Bulk Terminal	--	--	359	--	--	--	5,064	--	--	--	--	--	11,362	0	1,868	18,653
Pipeline	--	--	68	--	--	--	1,147	--	--	--	--	--	763	89	0	2,067
Natural Gas Processing Plant	34	4	38	71	11	611	693	278	2,654	164	38	17	3,151	35	10	3,927
Total	--	--	637	--	--	--	7,849	--	--	--	--	--	18,176	288	2,748	29,698
Isobutane																
Refinery	72	0	72	173	71	92	336	301	767	191	10	9	1,278	134	233	2,053
Bulk Terminal	--	--	2	--	--	--	1,325	--	--	--	--	--	3,813	0	402	5,542
Pipeline	--	--	0	--	--	--	545	--	--	--	--	--	360	49	0	954
Natural Gas Processing Plant	2	4	6	19	0	225	244	51	1,326	78	12	8	1,475	4	6	1,735
Total	--	--	80	--	--	--	2,450	--	--	--	--	--	6,926	187	641	10,284
Other Hydrocarbons and Alcohol																
Refinery	16	0	16	72	5	14	91	0	117	54	0	5	176	41	13	337
Total	--	--	16	--	--	--	91	--	--	--	--	--	176	41	13	337
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,831	207	4,038	2,857	139	994	3,990	721	8,536	5,032	166	25	14,480	490	5,318	28,316
Kerosene and Light Gas Oils	2,087	180	2,267	1,285	100	324	1,709	411	7,473	3,107	80	3	11,074	233	3,984	19,267
Heavy Gas Oils	4,698	251	4,949	4,866	371	1,979	7,216	862	8,344	6,448	375	133	16,162	788	14,004	43,119
Residuum	1,072	157	1,229	2,177	74	1,477	3,728	445	4,365	3,785	87	0	8,682	342	4,331	18,312
Total	11,688	795	12,483	11,185	684	4,774	16,643	2,439	28,718	18,372	708	161	50,398	1,853	27,637	109,014

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,293	90	4,383	4,988	461	1,671	7,120	1,518	7,837	5,686	119	179	15,339	1,563	7,660	36,065
Bulk Terminal	--	--	179	--	--	--	201	--	--	--	--	--	696	49	36	1,161
Pipeline	--	--	0	--	--	--	53	--	--	--	--	--	0	0	50	103
Total	--	--	4,562	--	--	--	7,374	--	--	--	--	--	16,035	1,612	7,746	37,329
Aviation Gasoline Blending Components																
Refinery	0	0	0	70	0	37	107	0	53	75	0	0	128	0	38	273
Total	--	--	0	--	--	--	107	--	--	--	--	--	128	0	38	273
Total Finished Motor Gasoline																
Refinery	7,205	427	7,632	5,692	1,031	2,497	9,220	1,697	11,317	5,424	511	122	19,071	1,825	8,006	45,754
Bulk Terminal	--	--	32,168	--	--	--	24,953	--	--	--	--	--	9,997	1,701	12,364	81,183
Pipeline	--	--	14,288	--	--	--	16,876	--	--	--	--	--	18,321	1,169	2,770	53,424
Total	--	--	54,088	--	--	--	51,049	--	--	--	--	--	47,389	4,695	23,140	180,361
Finished Leaded Motor Gasoline																
Refinery	753	112	865	1,065	244	925	2,234	460	1,452	1,147	177	54	3,290	774	2,255	9,418
Bulk Terminal	--	--	5,587	--	--	--	6,578	--	--	--	--	--	2,614	567	4,085	19,431
Pipeline	--	--	2,001	--	--	--	3,555	--	--	--	--	--	3,423	399	458	9,836
Total	--	--	8,453	--	--	--	12,367	--	--	--	--	--	9,327	1,740	6,798	38,685
Finished Unleaded Motor Gasoline																
Refinery	6,452	315	6,767	4,627	787	1,572	6,986	1,237	9,865	4,277	334	68	15,781	1,051	5,751	36,336
Bulk Terminal	--	--	26,581	--	--	--	18,375	--	--	--	--	--	7,383	1,134	8,279	61,752
Pipeline	--	--	12,287	--	--	--	13,321	--	--	--	--	--	14,898	770	2,312	43,588
Total	--	--	45,635	--	--	--	38,682	--	--	--	--	--	38,062	2,955	16,342	141,676
Finished Aviation Gasoline																
Refinery	118	0	118	79	25	10	114	88	329	127	0	0	544	34	220	1,030
Bulk Terminal	--	--	273	--	--	--	258	--	--	--	--	--	54	14	215	814
Pipeline	--	--	0	--	--	--	91	--	--	--	--	--	12	0	0	103
Total	--	--	391	--	--	--	463	--	--	--	--	--	610	48	435	1,947

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	322	0	322	204	6	140	350	186	498	611	104	173	1,572	279	876	3,399
Bulk Terminal	--	--	593	--	--	--	259	--	--	--	--	--	170	0	527	1,549
Pipeline	--	--	162	--	--	--	276	--	--	--	--	--	429	117	384	1,368
Total	--	--	1,077	--	--	--	885	--	--	--	--	--	2,171	396	1,787	6,316
Kerosene-Type Jet Fuel																
Refinery	2,205	13	2,218	1,097	191	495	1,783	401	3,494	2,542	44	63	6,544	395	4,215	15,155
Bulk Terminal	--	--	3,583	--	--	--	3,216	--	--	--	--	--	2,181	156	1,903	11,039
Pipeline	--	--	4,704	--	--	--	3,152	--	--	--	--	--	5,751	170	784	14,561
Total	--	--	10,505	--	--	--	8,151	--	--	--	--	--	14,476	721	6,902	40,755
Kerosene																
Refinery	211	95	306	464	158	275	897	80	585	352	105	0	1,122	59	179	2,563
Bulk Terminal	--	--	2,634	--	--	--	1,114	--	--	--	--	--	445	23	50	4,266
Pipeline	--	--	252	--	--	--	178	--	--	--	--	--	765	0	6	1,201
Total	--	--	3,192	--	--	--	2,189	--	--	--	--	--	2,332	82	235	8,030
Distillate Fuel Oils																
Refinery	8,151	519	8,670	4,918	1,125	2,693	8,736	752	9,914	4,187	1,467	114	16,434	1,435	5,718	40,993
Bulk Terminal	--	--	40,881	--	--	--	12,245	--	--	--	--	--	5,448	656	4,715	63,945
Pipeline	--	--	7,157	--	--	--	7,679	--	--	--	--	--	6,882	452	1,133	23,303
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	5	2	0	0	7	0	0	7
Total	--	--	56,708	--	--	--	28,660	--	--	--	--	--	28,771	2,543	11,566	128,248
Residual Fuel Oils																
Refinery	2,113	91	2,204	1,831	249	185	2,265	141	3,577	2,306	129	11	6,164	595	5,886	17,114
Bulk Terminal	--	--	15,529	--	--	--	1,356	--	--	--	--	--	5,329	0	3,048	25,262
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	0	0	94	94
Total	--	--	17,733	--	--	--	3,621	--	--	--	--	--	11,493	595	9,028	42,470
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	351	0	351	286	0	73	359	43	881	297	34	10	1,265	19	161	2,155
Total	351	0	351	286	0	73	359	43	881	297	34	10	1,265	19	161	2,155
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	3	0	3	2	0	0	2	146	940	126	0	0	1,212	7	142	1,366
Total	3	0	3	2	0	0	2	146	940	126	0	0	1,212	7	142	1,366

See footnotes at end of table.

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	439	32	471	139	0	101	240	63	1,122	46	178	0	1,409	8	117	2,245
Bulk Terminal	477	0	515	341	0	0	352	0	0	0	0	0	121	0	19	1,007
Total	0	0	986	0	0	0	592	0	0	0	0	0	1,530	8	136	3,252
Lubricants																
Refinery	296	778	1,074	982	0	342	1,324	27	4,050	1,224	553	0	5,854	99	999	9,350
Bulk Terminal	--	--	1,657	--	--	--	703	--	--	--	--	--	553	1	519	3,433
Total	--	--	2,731	--	--	--	2,027	--	--	--	--	--	6,407	100	1,518	12,783
Waxes																
Refinery	0	79	79	81	0	42	123	82	210	132	14	0	438	80	99	819
Total	--	--	79	--	--	--	123	--	--	--	--	--	438	80	99	819
Petroleum Coke																
Refinery	672	0	672	347	857	160	1,364	9	1,149	2,588	254	0	4,000	14	2,009	8,059
Total	672	0	672	347	857	160	1,364	9	1,149	2,588	254	0	4,000	14	2,009	8,059
Asphalt and Road Oil																
Refinery	1,488	143	1,631	2,599	1,275	985	4,859	301	934	626	761	188	2,810	1,707	1,277	12,284
Bulk Terminal	--	--	3,290	--	--	--	2,455	--	--	--	--	--	806	58	137	6,746
Total	--	--	4,921	--	--	--	7,314	--	--	--	--	--	3,616	1,765	1,414	19,030
Miscellaneous Products																
Refinery	139	44	183	180	24	13	217	64	416	179	0	0	659	62	238	1,359
Bulk Terminal	--	--	600	--	--	--	122	--	--	--	--	--	855	1	29	1,607
Pipeline	--	--	0	--	--	--	34	--	--	--	--	--	278	0	124	436
Natural Gas Processing Plant	0	0	0	0	0	0	0	29	0	1	1	0	31	0	0	31
Total	--	--	783	--	--	--	373	--	--	--	--	--	1,823	63	391	3,433
Total Stocks, All Oils	--	--	**193,674**	--	--	--	**239,806**	--	--	--	--	--	**986,573**	**27,821**	**182,551**	**1,630,425**

[1] Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	13,500	--	--	--	11,806	--	--	--	--	--	47,715	1,701	21,370	96,092
Tank Farms and Pipelines	--	--	1,221	--	--	--	58,659	--	--	--	--	--	92,713	8,776	34,180	195,549
Leases	--	--	47	--	--	--	1,652	--	--	--	--	--	16,490	1,252	1,689	21,130
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	558,673	0	0	558,673
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	24,243	24,243
Total	--	--	14,768	--	--	--	72,117	--	--	--	--	--	715,591	11,729	81,482	895,687
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	42,953	3,050	46,003	37,155	6,398	14,449	58,002	10,763	81,447	50,283	5,172	1,065	148,730	11,021	66,814	330,570
Bulk Terminal	--	--	104,584	--	--	--	72,319	--	--	--	--	--	74,455	2,990	26,281	280,629
Pipeline	--	--	28,812	--	--	--	35,143	--	--	--	--	--	39,667	2,335	5,301	111,258
Natural Gas Processing Plant	150	46	196	228	60	2,602	2,890	1,265	7,520	666	146	116	9,713	194	138	13,131
Total	--	--	179,595	--	--	--	168,354	--	--	--	--	--	272,565	16,540	98,534	735,588
Pentanes Plus																
Refinery	19	0	19	76	54	91	221	314	92	88	14	14	522	1	34	797
Bulk Terminal	--	--	36	--	--	--	1,364	--	--	--	--	--	1,939	0	21	3,360
Pipeline	--	--	0	--	--	--	464	--	--	--	--	--	926	80	0	1,470
Natural Gas Processing Plant	5	12	17	19	17	448	484	416	664	372	30	16	1,498	64	16	2,079
Total	--	--	72	--	--	--	2,533	--	--	--	--	--	4,885	145	71	7,706
Liquefied Petroleum Gases																
Refinery	1,426	13	1,439	2,019	156	493	2,668	2,250	2,606	3,197	21	30	8,104	385	989	13,585
Bulk Terminal	--	--	2,200	--	--	--	22,548	--	--	--	--	--	45,553	134	2,639	73,074
Pipeline	--	--	1,763	--	--	--	7,280	--	--	--	--	--	6,380	435	0	15,858
Natural Gas Processing Plant	145	34	179	209	43	2,154	2,406	821	6,851	292	115	100	8,179	130	122	11,016
Total	--	--	5,581	--	--	--	34,902	--	--	--	--	--	68,216	1,084	3,750	113,533
Ethane																
Refinery	23	0	23	1	0	0	1	93	364	0	0	0	457	0	0	481
Bulk Terminal	--	--	0	--	--	--	2,681	--	--	--	--	--	9,437	0	0	12,118
Pipeline	--	--	0	--	--	--	1,328	--	--	--	--	--	2,528	134	0	3,990
Natural Gas Processing Plant	0	0	0	17	0	470	487	91	1,604	4	18	21	1,738	2	0	2,227
Total	--	--	23	--	--	--	4,497	--	--	--	--	--	14,160	136	0	18,816

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1988 (Continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	1,212	2	1,214	1,423	37	147	1,607	1,335	855	1,602	5	4	3,801	151	83	6,856
Bulk Terminal	--	--	1,970	--	--	--	13,889	--	--	--	--	--	23,105	134	644	39,742
Pipeline	--	--	1,605	--	--	--	4,316	--	--	--	--	--	2,498	170	0	8,589
Natural Gas Processing Plant	105	22	127	132	32	1,140	1,304	424	1,790	107	47	52	2,420	83	105	4,039
Total	--	--	4,916	--	--	--	21,116	--	--	--	--	--	31,824	538	832	59,226
Normal Butane																
Refinery	117	11	128	377	63	234	674	561	570	1,347	4	17	2,499	126	716	4,143
Bulk Terminal	--	--	228	--	--	--	4,478	--	--	--	--	--	9,718	0	1,706	16,130
Pipeline	--	--	158	--	--	--	1,199	--	--	--	--	--	833	82	0	2,272
Natural Gas Processing Plant	38	6	44	43	11	373	427	257	2,341	106	39	18	2,761	40	10	3,282
Total	--	--	558	--	--	--	6,778	--	--	--	--	--	15,811	248	2,432	25,827
Isobutane																
Refinery	74	0	74	218	56	112	386	261	817	248	12	9	1,347	108	190	2,105
Bulk Terminal	--	--	2	--	--	--	1,500	--	--	--	--	--	3,293	0	289	5,084
Pipeline	--	--	0	--	--	--	437	--	--	--	--	--	521	49	0	1,007
Natural Gas Processing Plant	2	6	8	17	0	171	188	49	1,116	75	11	9	1,260	5	7	1,468
Total	--	--	84	--	--	--	2,511	--	--	--	--	--	6,421	162	486	9,664
Other Hydrocarbons and Alcohol																
Refinery	28	0	28	72	3	48	123	0	124	91	0	8	223	36	5	415
Total	--	--	28	--	--	--	123	--	--	--	--	--	223	36	5	415
Unfinished Oils																
Refinery																
Naphthas and Lighter	4,114	215	4,329	2,652	136	994	3,782	784	8,532	4,674	157	22	14,169	390	5,399	28,069
Kerosene and Light Gas Oils	2,541	191	2,732	1,893	169	174	2,236	421	7,359	4,152	89	3	12,024	213	4,054	21,259
Heavy Gas Oils	4,994	259	5,253	5,660	422	1,555	7,637	552	8,342	7,185	509	156	16,744	832	13,707	44,173
Residuum	968	153	1,121	2,306	133	1,362	3,801	495	5,615	4,075	37	0	10,222	285	3,679	19,108
Total	12,617	818	13,435	12,511	860	4,085	17,456	2,252	29,848	20,086	792	181	53,159	1,720	26,839	112,609

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,338	103	4,441	4,451	590	1,510	6,551	1,340	7,828	5,522	140	198	15,028	1,978	7,830	35,828
Bulk Terminal	--	--	93	--	--	--	269	--	--	--	--	--	896	53	41	1,352
Pipeline	--	--	0	--	--	--	61	--	--	--	--	--	16	0	67	144
Total	--	--	4,534	--	--	--	6,881	--	--	--	--	--	15,940	2,031	7,938	37,324
Aviation Gasoline Blending Components																
Refinery	0	0	0	67	0	52	119	0	32	59	0	0	91	0	33	243
Total	--	--	0	--	--	--	119	--	--	--	--	--	91	0	33	243
Total Finished Motor Gasoline																
Refinery	8,202	404	8,606	5,896	1,241	2,650	9,787	1,995	11,184	5,866	720	168	19,933	1,977	8,512	48,815
Bulk Terminal	--	--	32,269	--	--	--	25,363	--	--	--	--	--	9,819	1,752	11,938	81,141
Pipeline	--	--	15,258	--	--	--	16,299	--	--	--	--	--	18,925	943	2,530	53,955
Total	--	--	56,133	--	--	--	51,449	--	--	--	--	--	48,677	4,672	22,980	183,911
Finished Leaded Motor Gasoline																
Refinery	751	120	871	1,090	365	891	2,346	558	1,754	1,218	144	67	3,741	824	2,207	9,989
Bulk Terminal	--	--	4,856	--	--	--	6,597	--	--	--	--	--	2,689	703	3,861	18,706
Pipeline	--	--	1,895	--	--	--	3,612	--	--	--	--	--	3,190	388	395	9,480
Total	--	--	7,622	--	--	--	12,555	--	--	--	--	--	9,620	1,915	6,463	38,175
Finished Unleaded Motor Gasoline																
Refinery	7,451	284	7,735	4,806	876	1,759	7,441	1,437	9,430	4,648	576	101	16,192	1,153	6,305	38,826
Bulk Terminal	--	--	27,413	--	--	--	18,766	--	--	--	--	--	7,130	1,049	8,077	62,435
Pipeline	--	--	13,363	--	--	--	12,687	--	--	--	--	--	15,735	555	2,135	44,475
Total	--	--	48,511	--	--	--	38,894	--	--	--	--	--	39,057	2,757	16,517	145,736
Finished Aviation Gasoline																
Refinery	82	0	82	92	26	9	127	89	285	134	0	0	508	34	226	977
Bulk Terminal	--	--	312	--	--	--	272	--	--	--	--	--	55	9	202	850
Pipeline	--	--	0	--	--	--	80	--	--	--	--	--	9	6	0	95
Total	--	--	394	--	--	--	479	--	--	--	--	--	572	49	428	1,922

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel	354	0	354	349	23	157	529	237	613	616	124	122	1,712	295	714	3,604
Refinery	--	--	617	--	--	--	211	--	--	--	--	--	140	9	608	1,585
Bulk Terminal	--	--	92	--	--	--	90	--	--	--	--	--	490	90	485	1,247
Pipeline	--	--	1,063	--	--	--	830	--	--	--	--	--	2,342	394	1,807	6,436
Total																
Kerosene-Type Jet Fuel	2,393	28	2,421	1,193	177	416	1,786	384	3,649	2,197	62	52	6,344	401	4,191	15,143
Refinery	--	--	4,425	--	--	--	2,980	--	--	--	--	--	2,234	135	2,527	12,301
Bulk Terminal	--	--	3,780	--	--	--	3,130	--	--	--	--	--	4,369	163	782	12,224
Pipeline	--	--	10,626	--	--	--	7,896	--	--	--	--	--	12,947	699	7,500	39,668
Total																
Kerosene	227	87	314	477	105	236	818	68	540	434	114	0	1,156	18	172	2,478
Refinery	--	--	3,330	--	--	--	1,026	--	--	--	--	--	497	18	29	4,900
Bulk Terminal	--	--	204	--	--	--	165	--	--	--	--	--	373	0	18	760
Pipeline	--	--	3,848	--	--	--	2,009	--	--	--	--	--	2,026	36	219	8,138
Total																
Distillate Fuel Oils	6,672	473	7,145	4,786	1,043	2,674	8,503	809	10,622	3,692	1,125	77	16,325	1,289	6,098	39,360
Refinery	--	--	39,715	--	--	--	13,214	--	--	--	--	--	5,651	823	5,063	64,466
Bulk Terminal	--	--	7,715	--	--	--	7,516	--	--	--	--	--	7,897	618	1,227	24,973
Pipeline	0	0	0	0	0	0	0	0	5	1	0	0	6	0	0	6
Natural Gas Processing Plant	--	--	54,575	--	--	--	29,233	--	--	--	--	--	29,879	2,730	12,388	128,805
Total																
Residual Fuel Oils	2,491	66	2,557	1,765	193	180	2,138	152	4,048	2,419	253	6	6,878	627	6,241	18,441
Refinery	--	--	16,091	--	--	--	1,246	--	--	--	--	--	5,585	0	2,516	25,43[illegible]
Bulk Terminal	--	--	0	--	--	--	0	--	--	--	--	--	0	0	124	124
Pipeline	--	--	18,648	--	--	--	3,384	--	--	--	--	--	12,463	627	8,881	44,003
Total																
Naphtha < 400 Deg. Petro. Feed. Use	345	0	345	219	0	95	314	66	816	289	26	10	1,207	28	150	2,044
Refinery	345	0	345	219	0	95	314	66	816	289	26	10	1,207	28	150	2,044
Total																
Other Oils > 400 Deg. Petro. Feed. Use	5	0	5	2	0	0	2	108	1,406	246	0	0	1,760	2	180	1,949
Refinery	5	0	5	2	0	0	2	108	1,406	246	0	0	1,760	2	180	1,949
Total																

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas																
Refinery	494	48	542	143	0	106	249	75	1,131	40	203	0	1,449	7	118	2,365
Bulk Terminal	475	0	518	292	0	0	311	0	0	0	0	0	36	0	15	880
Total	0	0	1,060	0	0	0	560	0	0	0	0	0	1,485	7	133	3,245
Lubricants																
Refinery	318	741	1,059	971	0	369	1,340	29	4,161	1,203	493	0	5,886	77	799	9,161
Bulk Terminal	--	--	1,567	--	--	--	686	--	--	--	--	--	566	1	531	3,351
Total	--	--	2,626	--	--	--	2,026	--	--	--	--	--	6,452	78	1,330	12,512
Waxes																
Refinery	0	74	74	91	0	36	127	83	230	147	12	0	472	100	89	862
Total	--	--	74	--	--	--	127	--	--	--	--	--	472	100	89	862
Petroleum Coke																
Refinery	844	0	844	343	962	104	1,409	10	830	2,990	256	0	4,086	18	1,930	8,287
Total	844	0	844	343	962	104	1,409	10	830	2,990	256	0	4,086	18	1,930	8,287
Asphalt and Road Oil																
Refinery	1,912	158	2,070	1,487	941	1,125	3,553	467	1,009	770	817	199	3,262	1,969	1,444	12,298
Bulk Terminal	--	--	2,890	--	--	--	2,665	--	--	--	--	--	718	55	121	6,449
Total	--	--	4,960	--	--	--	6,218	--	--	--	--	--	3,980	2,024	1,565	18,747
Miscellaneous Products																
Refinery	186	37	223	145	24	13	182	35	393	197	0	0	625	59	220	1,309
Bulk Terminal	--	--	521	--	--	--	164	--	--	--	--	--	766	1	30	1,482
Pipeline	--	--	0	--	--	--	58	--	--	--	--	--	282	0	68	408
Natural Gas Processing Plant	0	0	0	0	0	0	0	28	0	1	1	0	30	0	0	30
Total	--	--	744	--	--	--	404	--	--	--	--	--	1,703	60	318	3,229
Total Stocks, All Oils	**--**	**--**	**194,363**	**--**	**--**	**--**	**240,471**	**--**	**--**	**--**	**--**	**--**	**988,156**	**28,269**	**180,016**	**1,631,275**

1 Includes 38,395 thousand barrels of domestic crude oil.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Crude Oil (incl. lease condensate)																
Refinery	--	--	14,179	--	--	--	12,029	--	--	--	--	--	42,733	1,721	21,467	92,129
Tank Farms and Pipelines	--	--	1,331	--	--	--	57,936	--	--	--	--	--	92,557	8,839	33,115	193,778
Leases	--	--	49	--	--	--	1,611	--	--	--	--	--	16,606	1,231	1,720	21,217
Strategic Petroleum Reserve[1]	--	--	0	--	--	--	0	--	--	--	--	--	559,515	0	0	559,515
Alaskan In-Transit	--	--	0	--	--	--	0	--	--	--	--	--	0	0	23,235	23,235
Total	--	--	15,559	--	--	--	71,576	--	--	--	--	--	711,411	11,791	79,537	889,874
Total Stocks, All Oils (excl. Crude Oil)																
Refinery	41,259	3,192	44,451	35,567	6,481	15,425	57,473	10,309	72,263	48,238	5,199	1,183	137,192	12,106	64,171	315,393
Bulk Terminal	--	--	99,552	--	--	--	71,083	--	--	--	--	--	68,172	3,133	26,355	268,295
Pipeline	--	--	28,088	--	--	--	34,685	--	--	--	--	--	42,301	2,463	5,437	112,974
Natural Gas Processing Plant	132	37	169	208	49	2,194	2,451	1,208	5,702	627	147	121	7,805	166	105	10,696
Total	--	--	172,260	--	--	--	165,692	--	--	--	--	--	255,470	17,868	96,068	707,358
Pentanes Plus																
Refinery	19	0	19	52	43	172	267	323	109	124	12	29	597	2	10	895
Bulk Terminal	--	--	22	--	--	--	1,248	--	--	--	--	--	1,394	0	6	2,670
Pipeline	--	--	0	--	--	--	404	--	--	--	--	--	855	77	0	1,336
Natural Gas Processing Plant	5	3	8	19	13	424	456	435	471	253	28	19	1,206	64	14	1,748
Total	—	--	49	--	--	--	2,375	--	--	--	--	--	4,052	143	30	6,649
Liquefied Petroleum Gases																
Refinery	1,223	13	1,236	2,078	188	481	2,747	1,728	2,722	3,109	27	29	7,615	308	816	12,722
Bulk Terminal	--	--	1,902	--	--	--	17,846	--	--	--	--	--	38,804	124	1,858	60,534
Pipeline	--	--	1,484	--	--	--	7,022	--	--	--	--	--	6,223	441	0	15,170
Natural Gas Processing Plant	127	34	161	189	36	1,770	1,995	742	5,231	371	118	102	6,564	102	91	8,913
Total	--	--	4,783	--	--	--	29,610	--	--	--	--	--	59,206	975	2,765	97,339
Ethane																
Refinery	20	0	20	1	0	0	1	62	470	0	0	0	532	0	0	553
Bulk Terminal	--	--	2	--	--	--	2,329	--	--	--	--	--	9,158	0	0	11,489
Pipeline	--	--	0	--	--	--	1,383	--	--	--	--	--	2,516	144	0	4,043
Natural Gas Processing Plant	0	0	0	17	0	462	479	70	1,188	3	21	24	1,306	2	0	1,787
Total	--	--	22	--	--	--	4,192	--	--	--	--	--	13,512	146	0	17,872

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Propane																
Refinery	912	1	913	1,218	30	130	1,378	911	1,014	1,746	7	4	3,682	91	145	6,209
Bulk Terminal	--	--	1,472	--	--	--	11,267	--	--	--	--	--	19,628	123	476	32,966
Pipeline	--	--	1,364	--	--	--	3,748	--	--	--	--	--	2,653	174	0	7,939
Natural Gas Processing Plant	76	22	98	110	28	877	1,015	375	1,373	221	47	47	2,063	62	75	3,313
Total	--	--	3,847	--	--	--	17,408	--	--	--	--	--	28,026	450	696	50,427
Normal Butane																
Refinery	228	12	240	668	75	249	992	481	516	1,189	5	18	2,209	143	527	4,111
Bulk Terminal	--	--	426	--	--	--	3,066	--	--	--	--	--	7,383	1	1,165	12,041
Pipeline	--	--	120	--	--	--	1,344	--	--	--	--	--	721	80	0	2,265
Natural Gas Processing Plant	49	5	54	43	8	287	338	247	1,763	86	38	24	2,158	32	10	2,592
Total	--	--	840	--	--	--	5,740	--	--	--	--	--	12,471	256	1,702	21,009
Isobutane																
Refinery	63	0	63	191	83	102	376	274	722	174	15	7	1,192	74	144	1,849
Bulk Terminal	--	--	2	--	--	--	1,184	--	--	--	--	--	2,635	0	217	4,038
Pipeline	--	--	0	--	--	--	547	--	--	--	--	--	333	43	0	923
Natural Gas Processing Plant	2	7	9	19	0	144	163	50	907	61	12	7	1,037	6	6	1,221
Total	--	--	74	--	--	--	2,270	--	--	--	--	--	5,197	123	367	8,031
Other Hydrocarbons and Alcohol																
Refinery	0	0	0	61	2	30	93	0	197	96	0	6	299	40	16	448
Total	--	--	0	--	--	--	93	--	--	--	--	--	299	40	16	448
Unfinished Oils																
Refinery																
Naphthas and Lighter	3,742	210	3,952	2,248	102	1,125	3,475	687	8,425	4,231	205	30	13,578	400	4,155	25,560
Kerosene and Light Gas Oils	2,793	146	2,939	1,632	106	156	1,894	350	6,283	2,646	96	3	9,378	277	3,189	17,677
Heavy Gas Oils	4,021	279	4,300	4,241	206	1,404	5,851	588	8,113	6,336	446	133	15,616	748	12,168	38,683
Residuum	1,032	147	1,179	2,341	114	1,479	3,934	465	4,962	3,483	67	0	8,977	381	3,467	17,938
Total	11,588	782	12,370	10,462	528	4,164	15,154	2,090	27,783	16,696	814	166	47,549	1,806	22,979	99,858

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (Continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Motor Gasoline Blending Components																
Refinery	4,514	149	4,663	4,583	672	1,728	6,983	1,382	6,472	5,543	132	257	13,786	2,292	8,774	36,498
Bulk Terminal	--	--	171	--	--	--	228	--	--	--	--	--	1,210	49	23	1,681
Pipeline	--	--	86	--	--	--	62	--	--	--	--	--	81	0	143	372
Total	--	--	4,920	--	--	--	7,273	--	--	--	--	--	15,077	2,341	8,940	38,551
Aviation Gasoline Blending Components																
Refinery	0	0	0	72	0	81	153	0	17	68	0	0	85	0	12	250
Total	--	--	0	--	--	--	153	--	--	--	--	--	85	0	12	250
Total Finished Motor Gasoline																
Refinery	7,916	447	8,363	5,859	931	2,992	9,782	1,958	10,034	5,816	958	161	18,927	2,218	10,132	49,422
Bulk Terminal	--	--	35,137	--	--	--	26,825	--	--	--	--	--	10,779	1,872	11,963	86,576
Pipeline	--	--	14,042	--	--	--	15,937	--	--	--	--	--	20,276	1,105	2,494	53,854
Total	--	--	57,542	--	--	--	52,544	--	--	--	--	--	49,982	5,195	24,589	189,852
Finished Leaded Motor Gasoline																
Refinery	852	136	988	1,291	321	1,280	2,892	542	1,588	1,345	107	77	3,659	956	2,819	11,314
Bulk Terminal	--	--	5,170	--	--	--	7,108	--	--	--	--	--	2,742	764	4,065	19,849
Pipeline	--	--	1,794	--	--	--	3,212	--	--	--	--	--	3,203	385	402	8,996
Total	--	--	7,952	--	--	--	13,212	--	--	--	--	--	9,604	2,105	7,286	40,159
Finished Unleaded Motor Gasoline																
Refinery	7,064	311	7,375	4,568	610	1,712	6,890	1,416	8,446	4,471	851	84	15,268	1,262	7,313	38,108
Bulk Terminal	--	--	29,967	--	--	--	19,717	--	--	--	--	--	8,037	1,108	7,898	66,727
Pipeline	--	--	12,248	--	--	--	12,725	--	--	--	--	--	17,073	720	2,092	44,858
Total	--	--	49,590	--	--	--	39,332	--	--	--	--	--	40,378	3,090	17,303	149,693
Finished Aviation Gasoline																
Refinery	74	0	74	77	3	10	90	76	326	217	0	0	619	35	286	1,104
Bulk Terminal	--	--	304	--	--	--	304	--	--	--	--	--	47	12	234	901
Pipeline	--	--	0	--	--	--	83	--	--	--	--	--	30	0	0	113
Total	--	--	378	--	--	--	477	--	--	--	--	--	696	47	520	2,118

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Naphtha-Type Jet Fuel																
Refinery	445	0	445	290	29	180	499	283	321	466	115	129	1,314	301	806	3,365
Bulk Terminal	--	--	412	--	--	--	214	--	--	--	--	--	166	9	626	1,427
Pipeline	--	--	122	--	--	--	172	--	--	--	--	--	453	109	403	1,259
Total	--	--	979	--	--	--	885	--	--	--	--	--	1,933	419	1,835	6,051
Kerosene-Type Jet Fuel																
Refinery	1,818	16	1,834	1,308	166	421	1,895	372	3,168	2,510	34	29	6,113	336	3,937	14,115
Bulk Terminal	--	--	4,214	--	--	--	2,746	--	--	--	--	--	2,580	142	2,238	11,920
Pipeline	--	--	3,386	--	--	--	2,928	--	--	--	--	--	4,451	171	752	11,688
Total	--	--	9,434	--	--	--	7,569	--	--	--	--	--	13,144	649	6,927	37,723
Kerosene																
Refinery	218	83	301	445	71	327	843	56	507	333	67	0	963	26	173	2,306
Bulk Terminal	--	--	2,403	--	--	--	887	--	--	--	--	--	235	16	32	3,573
Pipeline	--	--	469	--	--	--	202	--	--	--	--	--	729	0	5	1,405
Total	--	--	3,173	--	--	--	1,932	--	--	--	--	--	1,927	42	210	7,284
Distillate Fuel Oils																
Refinery	7,247	437	7,684	4,797	1,092	2,602	8,491	831	7,428	4,881	957	121	14,218	1,424	5,433	37,250
Bulk Terminal	--	--	33,040	--	--	--	14,978	--	--	--	--	--	5,081	847	5,251	59,197
Pipeline	--	--	8,499	--	--	--	7,836	--	--	--	--	--	8,867	560	1,306	27,068
Natural Gas Processing Plant	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2
Total	--	--	49,223	--	--	--	31,305	--	--	--	--	--	28,168	2,831	11,990	123,517
Residual Fuel Oils																
Refinery	2,451	69	2,520	1,853	365	150	2,368	176	3,679	2,658	87	4	6,604	663	5,518	17,673
Bulk Terminal	--	--	16,283	--	--	--	1,174	--	--	--	--	--	5,760	0	3,452	26,669
Pipeline	--	--	0	--	--	--	0	--	--	--	--	--	74	0	205	279
Total	--	--	18,803	--	--	--	3,542	--	--	--	--	--	12,438	663	9,175	44,621
Naphtha < 400 Deg. Petro. Feed. Use																
Refinery	372	0	372	176	0	97	273	65	793	216	59	7	1,140	7	169	1,961
Total	372	0	372	176	0	97	273	65	793	216	59	7	1,140	7	169	1,961
Other Oils > 400 Deg. Petro. Feed. Use																
Refinery	4	0	4	0	0	0	0	84	1,252	257	0	0	1,593	3	143	1,743
Total	4	0	4	0	0	0	0	84	1,252	257	0	0	1,593	3	143	1,743

See footnotes at end of table.

Table 18. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1988 (continued)

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian-No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Special Naphthas	515	53	568	170	0	109	279	83	1,172	38	169	0	1,462	7	154	2,470
Refinery	525	0	584	349	0	0	374	0	0	0	0	0	47	0	12	1,017
Bulk Terminal	0	0	1,152	0	0	0	653	0	0	0	0	0	1,509	7	166	3,487
Total																
Lubricants	296	799	1,095	927	0	424	1,351	27	4,105	1,318	600	0	6,050	69	910	9,475
Refinery	--	--	1,814	--	--	--	857	--	--	--	--	--	709	0	461	3,841
Bulk Terminal	--	--	2,909	--	--	--	2,208	--	--	--	--	--	6,759	69	1,371	13,316
Total																
Waxes	0	79	79	94	0	21	115	80	218	145	14	0	457	78	95	824
Refinery	--	--	79	--	--	--	115	--	--	--	--	--	457	78	95	824
Total																
Petroleum Coke	856	0	856	284	1,028	174	1,486	15	668	2,725	257	0	3,665	15	1,768	7,790
Refinery	856	0	856	284	1,028	174	1,486	15	668	2,725	257	0	3,665	15	1,768	7,790
Total																
Asphalt and Road Oil	1,593	225	1,818	1,775	1,345	1,240	4,360	631	928	771	897	245	3,472	2,418	1,876	13,944
Refinery	--	--	2,702	--	--	--	3,259	--	--	--	--	--	680	61	171	6,873
Bulk Terminal	--	--	4,520	--	--	--	7,619	--	--	--	--	--	4,152	2,479	2,047	20,817
Total																
Miscellaneous Products	110	40	150	204	18	22	244	49	364	251	0	0	664	58	164	1,280
Refinery	--	--	564	--	--	--	143	--	--	--	--	--	680	1	28	1,416
Bulk Terminal	--	--	0	--	--	--	39	--	--	--	--	--	262	0	129	430
Pipeline	0	0	0	0	0	0	0	31	0	1	1	0	33	0	0	33
Natural Gas Processing Plant	--	--	714	--	--	--	426	--	--	--	--	--	1,639	59	321	3,159
Total																
Total Stocks, All Oils	--	--	**187,819**	--	--	--	**237,268**	--	--	--	--	--	**966,881**	**29,659**	**175,605**	**1,597,232**

1 Includes 38,395 thousand barrels of domestic crude oil.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, January 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**11,248**	**38,520**	**2,309**	**39,551**	**19,619**
Connecticut	361	1,312	224	2,120	332
Delaware, D.C., Maryland	338	1,747	87	2,336	1,691
Florida	1,150	5,165	129	1,856	1,289
Georgia	1,135	2,057	57	1,029	292
Maine, New Hampshire, Vermont	367	1,005	163	2,011	675
Massachusetts	432	1,968	143	3,371	1,459
New Jersey	1,700	9,645	88	10,094	7,272
New York	1,194	3,933	365	6,484	3,346
North Carolina	1,220	2,185	237	1,096	291
Pennsylvania	1,626	4,898	569	4,799	1,804
Rhode Island	157	572	w	1,190	w
South Carolina	602	1,388	78	740	w
Virginia	816	2,448	149	2,275	690
West Virginia	150	197	w	150	w
PAD District II Total	**12,082**	**25,631**	**1,779**	**25,984**	**3,223**
Illinois	2,098	5,109	284	4,446	1,246
Indiana	1,415	3,346	182	3,633	397
Iowa	705	1,148	w	1,266	w
Kansas, Nebraska	1,072	1,865	15	2,593	35
Kentucky	583	976	75	1,132	w
Michigan	1,168	3,103	203	2,630	225
Minnesota	747	1,304	w	1,817	230
Missouri	501	735	w	786	w
North Dakota, South Dakota	355	519	w	863	w
Ohio	1,177	3,088	604	2,483	316
Oklahoma	806	1,345	w	1,989	220
Tennessee	802	1,647	71	890	217
Wisconsin	653	1,446	w	1,456	50
PAD District III Total	**8,632**	**24,385**	**1,620**	**22,842**	**14,448**
Alabama	666	1,280	102	923	1,061
Arkansas	242	289	w	241	w
Louisiana	1,383	4,931	421	4,758	5,261
Mississippi	773	2,397	10	2,303	w
New Mexico	197	311	w	298	21
Texas	5,371	15,177	1,080	14,319	7,853
PAD District IV Total	**1,964**	**2,318**	**108**	**2,733**	**334**
Colorado	403	743	w	580	w
Idaho	162	88	w	173	w
Montana	644	545	w	684	83
Utah	272	340	w	501	86
Wyoming	483	602	w	795	w
PAD District V Total	**7,467**	**14,258**	**280**	**9,637**	**8,157**
Alaska	319	296	w	1,183	w
Arizona	350	483	w	281	w
California	3,775	9,398	179	4,908	5,388
Hawaii	101	392	w	441	w
Nevada	138	290	w	184	w
Oregon	839	991	w	939	260
Washington	1,945	2,408	w	1,701	1,193
U.S. Total	**41,393**	**105,112**	**6,096**	**100,747**	**45,781**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, February 29, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**10,088**	**42,366**	**2,286**	**37,164**	**19,716**
Connecticut	334	1,654	172	1,950	492
Delaware, D.C., Maryland	302	2,197	116	1,945	1,175
Florida	991	5,204	119	1,915	1,244
Georgia	1,141	2,281	92	1,102	260
Maine, New Hampshire, Vermont	365	1,116	160	1,821	816
Massachusetts	299	2,177	94	3,132	1,993
New Jersey	1,902	12,002	110	9,705	6,786
New York	836	4,200	319	4,954	3,289
North Carolina	1,042	1,877	317	1,446	267
Pennsylvania	1,420	5,259	436	4,430	1,949
Rhode Island	119	502	w	1,209	w
South Carolina	528	1,052	113	725	w
Virginia	664	2,636	215	2,679	967
West Virginia	145	209	w	151	w
PAD District II Total	**12,422**	**28,761**	**1,611**	**22,597**	**3,078**
Illinois	2,227	5,311	399	4,110	1,252
Indiana	1,584	3,979	129	2,595	398
Iowa	635	1,208	w	1,194	w
Kansas, Nebraska	1,296	2,261	20	2,391	32
Kentucky	502	1,047	129	895	w
Michigan	1,119	3,325	172	2,223	191
Minnesota	741	1,459	w	1,847	195
Missouri	483	923	w	767	w
North Dakota, South Dakota	300	559	w	815	w
Ohio	1,118	3,914	466	2,168	280
Oklahoma	935	1,634	w	1,441	217
Tennessee	784	1,558	75	940	233
Wisconsin	698	1,583	w	1,211	35
PAD District III Total	**8,617**	**22,220**	**1,537**	**15,996**	**14,397**
Alabama	671	1,290	59	813	728
Arkansas	187	341	w	216	w
Louisiana	1,418	3,797	477	3,404	5,715
Mississippi	727	2,238	13	1,774	w
New Mexico	171	327	w	165	14
Texas	5,443	14,227	983	9,624	7,507
PAD District IV Total	**1,865**	**2,327**	**105**	**2,629**	**362**
Colorado	417	758	w	580	w
Idaho	144	113	w	184	w
Montana	645	554	w	687	84
Utah	227	359	w	443	129
Wyoming	432	543	w	735	w
PAD District V Total	**6,871**	**13,326**	**343**	**8,767**	**7,404**
Alaska	232	430	w	1,034	w
Arizona	282	427	w	240	w
California	3,635	8,623	181	4,507	5,259
Hawaii	105	436	w	400	w
Nevada	108	206	w	100	w
Oregon	790	978	w	896	288
Washington	1,719	2,226	w	1,590	778
U.S. Total	**39,863**	**109,000**	**5,882**	**87,153**	**44,957**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, March 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**9,841**	**39,843**	**2,319**	**27,943**	**17,777**
Connecticut	551	1,388	171	1,935	279
Delaware, D.C., Maryland	276	2,077	138	1,671	1,289
Florida	1,042	5,417	126	1,679	1,337
Georgia	1,006	1,830	80	793	395
Maine, New Hampshire, Vermont	319	1,134	115	1,555	653
Massachusetts	284	1,783	100	1,985	1,382
New Jersey	1,723	10,685	120	6,118	6,615
New York	1,024	4,509	257	3,983	3,068
North Carolina	891	1,726	345	1,218	214
Pennsylvania	1,365	4,517	501	3,276	1,275
Rhode Island	114	718	w	951	w
South Carolina	527	1,242	141	762	w
Virginia	563	2,594	212	1,891	758
West Virginia	156	223	w	126	w
PAD District II Total	**11,285**	**29,043**	**1,642**	**16,451**	**2,882**
Illinois	2,100	5,195	385	2,569	1,079
Indiana	1,527	4,077	109	1,959	471
Iowa	619	1,020	w	794	w
Kansas, Nebraska	1,120	2,400	23	1,774	45
Kentucky	548	1,045	107	651	w
Michigan	1,080	3,359	176	1,712	166
Minnesota	636	1,789	w	1,560	214
Missouri	429	1,023	w	525	w
North Dakota, South Dakota	198	526	w	603	w
Ohio	993	3,985	515	1,697	224
Oklahoma	904	1,473	w	1,178	206
Tennessee	603	1,385	85	536	205
Wisconsin	528	1,766	w	893	33
PAD District III Total	**7,410**	**20,969**	**1,507**	**15,008**	**14,159**
Alabama	527	1,187	58	625	747
Arkansas	178	223	w	118	w
Louisiana	1,156	3,955	321	3,106	5,385
Mississippi	622	2,170	14	1,278	w
New Mexico	157	311	w	152	10
Texas	4,770	13,123	1,108	9,729	7,728
PAD District IV Total	**1,904**	**2,258**	**57**	**1,796**	**361**
Colorado	377	694	w	336	w
Idaho	93	136	w	72	w
Montana	671	507	w	587	88
Utah	275	323	w	298	102
Wyoming	488	598	w	503	w
PAD District V Total	**6,596**	**12,176**	**254**	**8,403**	**8,467**
Alaska	292	535	w	1,094	w
Arizona	219	326	w	201	w
California	3,519	7,719	124	5,077	5,965
Hawaii	81	448	w	396	w
Nevada	108	174	w	104	w
Oregon	739	905	w	543	321
Washington	1,638	2,069	w	988	1,164
U.S. Total	**37,036**	**104,289**	**5,779**	**69,601**	**43,646**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, April 30, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**8,863**	**35,193**	**2,348**	**24,325**	**16,215**
Connecticut	513	1,158	253	1,174	261
Delaware, D.C., Maryland	282	1,580	117	1,199	1,353
Florida	1,057	5,347	188	1,859	1,380
Georgia	753	2,148	108	1,038	366
Maine, New Hampshire, Vermont	337	977	128	1,487	667
Massachusetts	186	1,538	63	1,479	1,012
New Jersey	1,543	7,976	129	4,675	6,177
New York	765	3,511	231	3,276	2,357
North Carolina	803	1,756	360	1,378	384
Pennsylvania	1,385	4,562	413	3,534	1,318
Rhode Island	121	525	w	514	w
South Carolina	483	1,224	142	831	w
Virginia	510	2,677	193	1,763	552
West Virginia	125	214	w	118	w
PAD District II Total	**10,622**	**27,303**	**1,596**	**18,967**	**3,182**
Illinois	1,822	5,158	246	3,417	1,134
Indiana	1,326	4,034	116	2,262	546
Iowa	690	1,104	w	863	w
Kansas, Nebraska	1,119	1,858	25	1,888	42
Kentucky	593	1,060	98	796	w
Michigan	1,037	3,313	154	1,727	135
Minnesota	634	1,157	w	1,554	206
Missouri	366	982	w	702	w
North Dakota, South Dakota	365	522	w	622	w
Ohio	779	3,463	440	1,854	382
Oklahoma	766	1,337	w	1,422	139
Tennessee	586	1,581	90	721	182
Wisconsin	539	1,734	w	1,139	74
PAD District III Total	**7,565**	**21,395**	**1,259**	**17,511**	**15,199**
Alabama	527	1,111	43	912	1,037
Arkansas	175	257	w	116	w
Louisiana	1,142	4,433	274	3,530	5,450
Mississippi	635	2,256	8	1,749	w
New Mexico	196	325	w	239	10
Texas	4,890	13,013	927	10,965	8,524
PAD District IV Total	**1,688**	**2,220**	**41**	**2,010**	**367**
Colorado	402	760	w	427	w
Idaho	122	164	w	94	w
Montana	573	482	w	520	70
Utah	222	320	w	423	106
Wyoming	369	494	w	546	w
PAD District V Total	**6,760**	**13,198**	**296**	**10,072**	**7,691**
Alaska	337	550	w	1,463	w
Arizona	237	374	w	303	w
California	3,770	8,610	149	5,825	5,077
Hawaii	84	574	w	490	w
Nevada	134	269	w	112	w
Oregon	636	759	w	661	224
Washington	1,562	2,062	w	1,218	1,019
U.S. Total	**35,498**	**99,309**	**5,540**	**72,885**	**42,654**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, May 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**8,009**	**36,275**	**1,914**	**28,487**	**18,766**
Connecticut	292	1,061	28	1,508	537
Delaware, D.C., Maryland	264	1,451	174	1,732	1,360
Florida	1,115	6,097	188	2,510	1,507
Georgia	856	2,123	72	1,057	186
Maine, New Hampshire, Vermont	166	791	99	1,361	541
Massachusetts	244	1,500	125	1,641	1,527
New Jersey	927	8,594	110	5,663	6,814
New York	683	3,575	144	3,591	2,742
North Carolina	840	1,870	313	1,555	420
Pennsylvania	1,205	4,612	339	4,108	1,514
Rhode Island	200	463	w	343	w
South Carolina	544	1,346	140	880	w
Virginia	518	2,583	163	2,402	1,026
West Virginia	155	209	w	136	w
PAD District II Total	**10,308**	**27,783**	**1,471**	**21,061**	**3,188**
Illinois	2,060	5,393	242	3,972	1,318
Indiana	1,103	4,141	158	2,235	545
Iowa	516	1,051	w	1,141	w
Kansas, Nebraska	1,230	1,950	32	2,249	64
Kentucky	714	1,220	59	851	w
Michigan	919	2,840	94	1,598	132
Minnesota	540	1,514	w	1,721	166
Missouri	368	922	w	684	w
North Dakota, South Dakota	195	558	w	745	w
Ohio	731	3,354	469	2,109	255
Oklahoma	825	1,645	w	1,741	184
Tennessee	524	1,567	85	838	177
Wisconsin	583	1,628	w	1,177	133
PAD District III Total	**6,737**	**22,615**	**1,358**	**17,676**	**15,377**
Alabama	452	1,175	42	834	1,106
Arkansas	207	362	w	233	w
Louisiana	1,147	4,121	305	3,514	5,754
Mississippi	612	1,665	12	1,780	w
New Mexico	189	325	w	280	10
Texas	4,130	14,967	995	11,035	8,337
PAD District IV Total	**1,534**	**2,093**	**76**	**2,454**	**488**
Colorado	357	657	w	593	w
Idaho	127	191	w	198	w
Montana	508	491	w	643	75
Utah	166	291	w	398	147
Wyoming	376	463	w	622	w
PAD District V Total	**6,479**	**13,520**	**194**	**11,423**	**7,723**
Alaska	222	296	w	1,139	w
Arizona	311	468	w	292	w
California	3,732	9,181	128	6,291	4,388
Hawaii	102	601	w	566	w
Nevada	100	209	w	87	w
Oregon	587	779	w	1,117	230
Washington	1,425	1,986	w	1,931	1,320
U.S. Total	**33,067**	**102,286**	**5,013**	**81,101**	**45,542**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, June 30, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**7,651**	**33,020**	**2,110**	**31,519**	**16,411**
Connecticut	441	796	78	1,387	481
Delaware, D.C., Maryland	297	1,521	188	2,071	1,721
Florida	1,065	5,662	217	2,183	1,031
Georgia	857	1,841	62	1,015	233
Maine, New Hampshire, Vermont	218	846	94	1,329	285
Massachusetts	170	1,321	64	1,716	1,202
New Jersey	1,028	8,246	188	8,578	6,951
New York	678	2,767	155	3,629	1,885
North Carolina	832	1,657	321	1,551	364
Pennsylvania	892	4,006	426	4,059	1,354
Rhode Island	75	503	w	907	w
South Carolina	504	1,182	140	825	w
Virginia	486	2,491	160	2,162	556
West Virginia	108	181	w	107	w
PAD District II Total	**9,404**	**22,754**	**1,455**	**21,946**	**3,375**
Illinois	1,820	4,441	280	3,933	1,226
Indiana	1,096	2,675	129	2,680	649
Iowa	483	932	w	1,293	w
Kansas, Nebraska	1,070	1,658	24	2,037	64
Kentucky	545	1,010	67	790	w
Michigan	882	2,695	90	1,606	131
Minnesota	451	1,050	w	2,020	179
Missouri	344	801	w	752	w
North Dakota, South Dakota	176	553	w	746	w
Ohio	717	2,789	459	2,150	349
Oklahoma	766	1,487	w	1,832	160
Tennessee	556	1,455	75	935	222
Wisconsin	498	1,208	w	1,172	164
PAD District III Total	**7,161**	**21,531**	**1,465**	**19,917**	**14,152**
Alabama	511	1,079	55	685	725
Arkansas	251	327	w	211	w
Louisiana	1,182	4,068	281	3,922	5,880
Mississippi	698	1,649	15	1,993	w
New Mexico	195	299	w	309	11
Texas	4,324	14,109	1,110	12,797	7,297
PAD District IV Total	**1,495**	**1,919**	**75**	**2,705**	**489**
Colorado	331	582	w	407	w
Idaho	131	196	w	228	w
Montana	498	552	w	834	78
Utah	190	215	w	484	123
Wyoming	345	374	w	752	w
PAD District V Total	**5,652**	**12,105**	**215**	**11,422**	**7,549**
Alaska	193	457	w	1,200	w
Arizona	287	484	w	174	w
California	3,130	7,954	126	6,228	4,709
Hawaii	79	571	w	555	w
Nevada	81	174	w	151	w
Oregon	559	706	w	906	324
Washington	1,323	1,759	w	2,208	1,272
U.S. Total	**31,363**	**91,329**	**5,320**	**87,509**	**41,976**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, July 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**9,395**	**34,225**	**2,131**	**36,736**	**16,579**
Connecticut	346	988	90	2,566	413
Delaware, D.C., Maryland	294	2,206	243	3,234	1,454
Florida	1,408	5,170	222	1,935	904
Georgia	992	2,120	108	1,153	261
Maine, New Hampshire, Vermont	198	658	84	1,682	461
Massachusetts	158	2,078	68	2,189	1,088
New Jersey	1,361	8,172	175	8,658	7,088
New York	1,017	2,738	179	4,651	2,479
North Carolina	1,014	1,840	292	1,790	392
Pennsylvania	1,023	3,942	367	4,860	1,137
Rhode Island	287	391	w	817	w
South Carolina	510	1,109	128	794	w
Virginia	656	2,647	154	2,297	548
West Virginia	131	166	w	110	w
PAD District II Total	**10,112**	**22,190**	**1,584**	**22,792**	**3,822**
Illinois	1,839	4,027	302	3,869	1,379
Indiana	990	2,998	119	2,632	806
Iowa	538	783	w	1,100	w
Kansas, Nebraska	1,060	1,429	20	2,187	76
Kentucky	692	1,144	109	847	w
Michigan	978	2,616	91	1,845	156
Minnesota	443	1,185	w	2,234	161
Missouri	441	908	w	800	w
North Dakota, South Dakota	165	386	w	799	w
Ohio	737	2,809	511	2,133	381
Oklahoma	861	1,192	w	2,017	182
Tennessee	796	1,845	78	1,149	208
Wisconsin	572	868	w	1,180	167
PAD District III Total	**7,372**	**22,568**	**1,621**	**21,368**	**12,215**
Alabama	559	1,165	104	1,031	700
Arkansas	243	400	w	193	w
Louisiana	1,178	4,784	411	3,790	5,161
Mississippi	733	1,594	22	2,202	w
New Mexico	161	257	w	351	16
Texas	4,498	14,368	1,080	13,801	6,155
PAD District IV Total	**1,268**	**1,778**	**47**	**2,573**	**482**
Colorado	288	566	w	550	w
Idaho	114	266	w	207	w
Montana	428	431	w	710	86
Utah	206	194	w	435	102
Wyoming	232	321	w	671	w
PAD District V Total	**5,349**	**12,157**	**226**	**11,046**	**7,742**
Alaska	224	377	w	1,172	w
Arizona	344	601	w	262	w
California	3,013	8,036	122	6,294	4,650
Hawaii	90	546	w	402	w
Nevada	74	206	w	149	w
Oregon	427	553	w	852	301
Washington	1,177	1,838	w	1,915	1,371
U.S. Total	**33,496**	**92,918**	**5,609**	**94,515**	**40,840**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, August 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**9,548**	**34,689**	**2,842**	**45,283**	**14,982**
Connecticut	212	1,063	289	4,432	273
Delaware, D.C., Maryland	232	1,966	237	3,542	1,266
Florida	1,322	5,168	181	2,110	946
Georgia	922	2,136	106	1,071	134
Maine, New Hampshire, Vermont	233	801	302	2,173	576
Massachusetts	307	1,723	112	2,904	1,303
New Jersey	1,184	8,174	69	12,527	5,936
New York	1,339	2,964	251	5,221	2,459
North Carolina	1,072	1,859	360	1,776	281
Pennsylvania	860	4,618	467	4,932	1,061
Rhode Island	666	251	w	975	w
South Carolina	487	1,287	246	868	w
Virginia	602	2,469	195	2,662	395
West Virginia	110	210	w	90	w
PAD District II Total	**10,521**	**25,206**	**1,632**	**23,113**	**3,597**
Illinois	2,026	5,534	304	4,212	1,261
Indiana	1,265	3,187	160	2,344	757
Iowa	563	828	w	1,324	w
Kansas, Nebraska	1,059	1,785	24	2,241	77
Kentucky	665	1,207	92	553	w
Michigan	845	2,790	126	1,886	183
Minnesota	479	1,192	w	2,429	109
Missouri	461	900	w	660	w
North Dakota, South Dakota	195	380	w	861	w
Ohio	909	3,199	528	2,069	342
Oklahoma	750	1,376	w	1,945	264
Tennessee	768	1,648	58	1,047	210
Wisconsin	536	1,180	w	1,542	117
PAD District III Total	**7,375**	**21,400**	**1,933**	**20,982**	**10,878**
Alabama	522	1,030	90	1,012	899
Arkansas	212	334	w	176	w
Louisiana	1,400	4,279	623	3,902	4,564
Mississippi	605	1,173	15	2,236	w
New Mexico	177	238	w	274	19
Texas	4,459	14,346	1,198	13,382	5,255
PAD District IV Total	**1,330**	**1,817**	**34**	**2,459**	**524**
Colorado	330	558	w	507	w
Idaho	134	233	w	196	w
Montana	393	468	w	735	88
Utah	174	260	w	311	105
Wyoming	299	298	w	710	w
PAD District V Total	**5,882**	**13,121**	**231**	**9,732**	**7,966**
Alaska	248	407	w	1,127	w
Arizona	270	596	w	249	w
California	3,474	8,692	141	5,076	4,375
Hawaii	124	542	w	441	w
Nevada	85	215	w	113	w
Oregon	518	691	w	657	376
Washington	1,163	1,978	w	2,069	1,264
U.S. Total	**34,656**	**96,233**	**6,672**	**101,569**	**37,947**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, September 30, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**8,488**	**33,792**	**2,689**	**50,629**	**19,356**
Connecticut	464	1,049	232	4,502	324
Delaware, D.C., Maryland	268	1,894	182	3,678	1,809
Florida	1,194	5,048	136	1,793	1,015
Georgia	811	2,076	92	1,154	352
Maine, New Hampshire, Vermont	212	875	224	2,270	1,046
Massachusetts	219	1,786	26	3,563	1,200
New Jersey	1,161	6,543	84	15,684	8,036
New York	1,420	3,373	399	6,634	2,752
North Carolina	804	1,845	352	1,744	362
Pennsylvania	717	4,121	551	5,086	1,129
Rhode Island	137	975	w	1,258	w
South Carolina	448	1,309	218	826	w
Virginia	547	2,655	167	2,317	664
West Virginia	86	243	w	120	w
PAD District II Total	**9,878**	**26,963**	**2,046**	**22,077**	**3,460**
Illinois	1,981	5,384	360	4,412	1,269
Indiana	1,347	3,521	172	2,399	642
Iowa	396	1,036	w	1,017	w
Kansas, Nebraska	1,008	1,962	13	2,259	78
Kentucky	432	1,091	82	647	w
Michigan	779	3,334	215	2,045	148
Minnesota	563	979	w	1,931	89
Missouri	450	946	w	672	w
North Dakota, South Dakota	208	448	w	638	w
Ohio	746	3,674	593	1,850	229
Oklahoma	820	1,337	w	1,883	259
Tennessee	580	1,826	51	795	239
Wisconsin	568	1,425	w	1,529	189
PAD District III Total	**6,118**	**20,976**	**1,784**	**21,400**	**12,206**
Alabama	447	1,139	117	942	989
Arkansas	116	380	w	198	w
Louisiana	1,015	3,893	705	4,054	5,308
Mississippi	512	1,503	35	2,284	w
New Mexico	165	288	w	200	17
Texas	3,863	13,773	919	13,722	5,635
PAD District IV Total	**1,504**	**1,801**	**31**	**2,116**	**547**
Colorado	269	529	w	391	w
Idaho	166	194	w	181	w
Montana	495	466	w	612	82
Utah	259	238	w	223	140
Wyoming	315	374	w	709	w
PAD District V Total	**6,394**	**14,982**	**215**	**10,974**	**8,919**
Alaska	295	506	w	863	w
Arizona	264	578	w	264	w
California	3,621	10,230	117	6,462	5,642
Hawaii	47	527	w	429	w
Nevada	117	257	w	136	w
Oregon	887	901	w	749	368
Washington	1,163	1,983	w	2,071	1,261
U.S. Total	**32,382**	**98,514**	**6,765**	**107,196**	**44,488**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, [illegible]
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**6,452**	**33,348**	**2,940**	**49,551**	**17,733**
Connecticut	361	995	362	4,421	211
Delaware, D.C., Maryland	245	2,071	241	4,339	1,709
Florida	874	4,651	203	2,177	1,167
Georgia	773	1,908	129	1,204	274
Maine, New Hampshire, Vermont	195	937	383	2,390	735
Massachusetts	139	1,669	40	3,243	1,253
New Jersey	825	6,665	89	13,385	6,743
New York	724	3,415	353	6,948	2,436
North Carolina	599	2,029	303	1,619	357
Pennsylvania	738	4,264	514	5,277	1,372
Rhode Island	11	570	w	1,378	w
South Carolina	411	1,328	184	744	w
Virginia	461	2,616	111	2,321	823
West Virginia	96	230	w	105	w
PAD District II Total	**8,812**	**25,361**	**2,011**	**20,981**	**3,621**
Illinois	1,777	5,707	409	4,252	1,481
Indiana	935	2,938	186	2,716	511
Iowa	431	1,110	w	835	w
Kansas, Nebraska	1,090	1,998	46	2,219	66
Kentucky	378	930	91	635	w
Michigan	711	2,869	160	1,726	157
Minnesota	453	1,277	w	1,750	130
Missouri	392	870	w	678	w
North Dakota, South Dakota	196	294	w	553	w
Ohio	708	3,331	599	1,927	251
Oklahoma	720	1,247	w	1,568	307
Tennessee	445	1,575	84	804	232
Wisconsin	576	1,215	w	1,318	159
PAD District III Total	**5,904**	**23,164**	**1,567**	**21,882**	**11,493**
Alabama	363	1,220	99	828	646
Arkansas	116	201	w	251	w
Louisiana	1,209	4,352	494	3,990	4,487
Mississippi	732	1,765	61	2,529	w
New Mexico	178	277	w	219	11
Texas	3,306	15,349	907	14,065	6,239
PAD District IV Total	**1,341**	**2,185**	**82**	**2,091**	**595**
Colorado	360	845	w	279	w
Idaho	160	228	w	193	w
Montana	367	479	w	645	98
Utah	153	266	w	373	154
Wyoming	301	367	w	601	w
PAD District V Total	**6,340**	**14,030**	**229**	**10,433**	**8,934**
Alaska	264	426	w	904	w
Arizona	298	579	w	254	w
California	3,509	8,990	169	6,287	5,011
Hawaii	127	548	w	398	w
Nevada	119	278	w	200	w
Oregon	795	1,046	w	789	201
Washington	1,228	2,163	w	1,601	1,987
U.S. Total	**28,849**	**98,088**	**6,829**	**104,938**	**42,376**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, November 30, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**5,727**	**35,148**	**3,644**	**46,860**	**18,648**
Connecticut	305	844	684	3,577	262
Delaware, D.C., Maryland	201	2,023	262	4,248	1,932
Florida	705	4,790	201	2,093	1,141
Georgia	738	1,806	121	1,429	351
Maine, New Hampshire, Vermont	86	876	279	2,315	803
Massachusetts	109	2,083	73	2,386	1,318
New Jersey	623	8,041	96	12,165	6,560
New York	659	3,192	414	6,606	3,440
North Carolina	665	2,189	443	1,728	554
Pennsylvania	837	4,762	594	5,396	1,220
Rhode Island	16	647	w	1,361	w
South Carolina	321	1,289	230	905	w
Virginia	381	2,346	182	2,517	575
West Virginia	81	260	w	134	w
PAD District II Total	**8,943**	**26,207**	**1,844**	**21,717**	**3,384**
Illinois	1,776	5,433	309	4,043	1,610
Indiana	917	2,992	199	2,719	356
Iowa	395	1,095	w	963	w
Kansas, Nebraska	976	2,171	49	2,205	58
Kentucky	368	905	68	761	w
Michigan	762	2,916	182	1,956	170
Minnesota	586	1,400	w	1,503	127
Missouri	431	1,055	w	695	w
North Dakota, South Dakota	254	404	w	666	w
Ohio	778	3,627	630	2,134	250
Oklahoma	702	1,074	w	1,573	280
Tennessee	414	1,628	91	1,001	184
Wisconsin	584	1,507	w	1,498	68
PAD District III Total	**6,430**	**23,322**	**1,653**	**21,976**	**12,463**
Alabama	400	1,138	119	977	901
Arkansas	142	296	w	176	w
Louisiana	1,161	4,845	553	3,910	5,183
Mississippi	656	2,032	65	2,092	w
New Mexico	167	271	w	153	6
Texas	3,904	14,740	911	14,668	6,210
PAD District IV Total	**1,527**	**2,202**	**36**	**2,112**	**627**
Colorado	448	640	w	388	w
Idaho	158	260	w	229	w
Montana	430	520	w	585	107
Utah	191	243	w	345	132
Wyoming	300	539	w	565	w
PAD District V Total	**6,068**	**14,382**	**201**	**11,161**	**8,757**
Alaska	282	475	w	1,027	w
Arizona	345	623	w	152	w
California	3,312	9,399	113	6,644	5,336
Hawaii	74	530	w	613	w
Nevada	125	247	w	167	w
Oregon	668	622	w	883	197
Washington	1,262	2,486	w	1,675	1,297
U.S. Total	**28,695**	**101,261**	**7,378**	**103,826**	**43,879**

Table 19. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, December 31, 1988
(Thousand Barrels)

State	Leaded Motor Gasoline	Unleaded Motor Gasoline	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
PAD District I Total	**6,158**	**37,342**	**2,704**	**40,724**	**18,803**
Connecticut	273	1,268	258	2,263	280
Delaware, D.C., Maryland	231	2,054	247	3,453	1,918
Florida	915	5,389	156	2,118	588
Georgia	783	1,910	124	1,407	141
Maine, New Hampshire, Vermont	132	984	187	2,234	734
Massachusetts	77	2,443	82	1,805	1,227
New Jersey	669	7,591	75	11,074	7,507
New York	721	3,653	396	5,545	3,595
North Carolina	635	1,953	327	1,418	541
Pennsylvania	881	4,869	519	5,322	1,445
Rhode Island	30	832	w	711	w
South Carolina	290	1,240	171	891	w
Virginia	453	2,937	119	2,336	338
West Virginia	68	219	w	147	w
PAD District II Total	**10,000**	**26,607**	**1,730**	**23,469**	**3,542**
Illinois	1,973	4,720	260	4,413	1,453
Indiana	1,144	4,218	216	3,120	495
Iowa	473	1,183	w	1,332	w
Kansas, Nebraska	1,117	2,063	43	2,151	57
Kentucky	448	1,139	53	943	w
Michigan	832	2,970	167	2,184	187
Minnesota	488	1,284	w	1,414	346
Missouri	494	1,042	w	864	w
North Dakota, South Dakota	263	491	w	715	w
Ohio	708	3,305	522	2,177	208
Oklahoma	974	1,203	w	1,697	297
Tennessee	475	1,350	66	1,130	205
Wisconsin	611	1,639	w	1,329	27
PAD District III Total	**6,401**	**23,305**	**1,198**	**19,299**	**12,364**
Alabama	406	1,118	95	737	682
Arkansas	193	336	w	202	w
Louisiana	1,233	4,483	405	5,083	4,799
Mississippi	660	2,078	29	1,883	w
New Mexico	218	256	w	267	4
Texas	3,691	15,034	663	11,127	6,695
PAD District IV Total	**1,720**	**2,370**	**42**	**2,271**	**663**
Colorado	474	771	w	352	w
Idaho	183	253	w	245	w
Montana	478	472	w	566	115
Utah	233	311	w	472	139
Wyoming	352	563	w	636	w
PAD District V Total	**6,884**	**15,211**	**205**	**10,684**	**8,970**
Alaska	401	528	w	798	w
Arizona	240	412	w	214	w
California	3,922	10,552	87	6,495	4,658
Hawaii	112	511	w	563	w
Nevada	125	211	w	188	w
Oregon	697	733	w	885	221
Washington	1,387	2,264	w	1,541	2,053
U.S. Total	**31,163**	**104,835**	**5,879**	**96,447**	**44,342**

w = Withheld to avoid disclosure of individual company data.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, January 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**243**	**2,789**	**690**	**0**	**474**	**43,355**	**0**	**0**	**5,688**	**1,841**	**0**	**1,129**	**0**	**15,117**	**0**
Petroleum Products	**6,602**	**79**	**0**	**4,854**	**5,394**	**2,009**	**0**	**89,204**	**28,038**	**0**	**1,851**	**1,314**	**1,155**	**1,705**	**0**	**0**	**43**	**0**
Pentanes Plus	0	0	0	0	291	0	0	0	495	0	0	58	120	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,437	2,715	309	0	3,149	4,623	0	0	511	1,035	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	172	0	0	109	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	0	0	89	0	0	0	19	62	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,518	0	0	2,084	1,287	828	0	44,051	14,724	0	1,028	412	0	976	0	0	0	0
Finished Leaded Motor Gasoline	888	0	0	321	363	144	0	7,065	3,018	0	343	190	0	406	0	0	0	0
Finished Unleaded Motor Gasoline	3,630	0	0	1,763	924	684	0	36,986	11,706	0	685	222	0	570	0	0	0	0
Finished Aviation Gasoline	5	0	0	0	0	9	0	161	49	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	128	0	0	525	0	0	273	74	0	166	0	0	0	0
Kerosene-Type Jet Fuel	345	0	0	240	88	717	0	11,165	4,831	0	131	7	0	167	0	0	0	0
Kerosene	122	0	0	76	98	0	0	1,115	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,593	0	0	748	492	146	0	26,408	2,835	0	310	252	0	396	0	0	0	0
Residual Fuel Oil	0	0	0	45	271	0	0	846	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	9	9	0	79	18	0	0	0	21	0	0	0	0	0	0	0	0	0
Special Naphthas	0	5	0	0	0	0	0	258	74	0	0	0	0	0	0	0	0	0
Lubricants	0	50	0	56	0	0	0	810	309	0	0	0	0	0	0	0	43	0
Waxes	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	0	474	15	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	15	0	0	6	0	0	44	0	0	0	0	0	0	0	0	0	0
Total	**6,602**	**79**	**0**	**5,097**	**8,183**	**2,699**	**0**	**89,678**	**71,393**	**0**	**1,851**	**7,002**	**2,996**	**1,705**	**1,129**	**0**	**15,160**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, February 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**177**	**2,282**	**608**	**0**	**201**	**39,683**	**0**	**0**	**5,101**	**2,735**	**0**	**1,512**	**0**	**20,470**	**0**
Petroleum Products	**6,494**	**151**	**0**	**4,356**	**4,904**	**1,682**	**0**	**87,831**	**22,062**	**0**	**1,746**	**1,283**	**1,259**	**1,334**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	158	0	0	0	550	0	0	56	182	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,124	2,499	155	0	2,978	4,111	0	0	520	1,077	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	195	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	28	80	0	144	0	0	0	105	22	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,213	0	0	1,981	1,225	778	0	42,772	12,407	0	901	386	0	815	0	0	0	0
Finished Leaded Motor Gasoline	983	0	0	301	312	205	0	6,415	2,948	0	260	159	0	308	0	0	0	0
Finished Unleaded Motor Gasoline	3,230	0	0	1,680	913	573	0	36,357	9,459	0	641	227	0	507	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	9	0	67	95	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	80	0	0	328	0	0	230	101	0	44	0	0	0	0
Kerosene-Type Jet Fuel	342	0	0	214	69	597	0	10,867	2,399	0	144	8	0	105	0	0	0	0
Kerosene	88	0	0	45	100	0	0	1,243	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,797	0	0	623	314	143	0	26,973	1,800	0	355	212	0	370	0	0	0	0
Residual Fuel Oil	0	0	0	26	316	0	0	814	72	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	18	0	0	44	9	0	0	0	10	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	0	0	0	278	158	0	0	0	0	0	0	0	0	0
Lubricants	8	52	0	137	127	0	0	884	438	0	116	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	0	237	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	15	0	18	7	0	0	81	0	0	0	0	0	0	0	0	0	0
Total	**6,494**	**151**	**0**	**4,533**	**7,186**	**2,290**	**0**	**88,032**	**61,745**	**0**	**1,746**	**6,384**	**3,994**	**1,334**	**1,512**	**0**	**20,470**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, March 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**138**	**1,872**	**689**	**0**	**656**	**42,015**	**0**	**0**	**6,787**	**2,690**	**0**	**951**	**0**	**21,874**	**0**
Petroleum Products	**6,967**	**354**	**0**	**3,812**	**5,200**	**1,851**	**0**	**79,208**	**26,511**	**0**	**2,144**	**1,299**	**1,335**	**1,424**	**0**	**0**	**56**	**0**
Pentanes Plus	0	0	0	0	272	0	0	0	651	0	0	60	161	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	578	2,387	123	0	2,318	3,582	0	0	533	1,174	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	327	0	0	141	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	30	150	0	223	0	0	0	109	15	0	64	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,670	0	0	1,979	1,478	931	0	43,933	14,141	0	999	428	0	956	0	0	0	0
Finished Leaded Motor Gasoline	987	0	0	364	424	187	0	6,743	3,017	0	296	166	0	405	0	0	0	0
Finished Unleaded Motor Gasoline	3,683	0	0	1,615	1,054	744	0	37,190	11,124	0	703	262	0	551	0	0	0	0
Finished Aviation Gasoline	13	0	0	0	0	9	0	138	49	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	108	0	0	625	0	0	342	62	0	60	0	0	0	0
Kerosene-Type Jet Fuel	281	0	0	224	80	575	0	10,643	3,043	0	189	4	0	92	0	0	0	0
Kerosene	55	0	0	25	99	0	0	673	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,789	0	0	633	476	213	0	18,750	4,264	0	347	212	0	316	0	0	0	0
Residual Fuel Oil	0	0	0	0	263	0	0	537	117	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	119	54	0	31	0	0	0	0	90	0	0	0	0	0	0	0	0	0
Special Naphthas	1	6	0	0	12	0	0	185	143	0	0	0	0	0	0	0	0	0
Lubricants	9	59	0	101	18	0	0	636	401	0	62	0	0	0	0	0	25	0
Waxes	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	64	0	0	0	0	0	250	15	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	21	0	18	7	0	0	81	0	0	0	0	0	0	0	0	31	0
Total	**6,967**	**354**	**0**	**3,950**	**7,072**	**2,540**	**0**	**79,864**	**68,526**	**0**	**2,144**	**8,086**	**4,025**	**1,424**	**951**	**0**	**21,930**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**74**	**2,331**	**623**	**0**	**419**	**45,174**	**0**	**0**	**5,794**	**2,780**	**0**	**1,567**	**0**	**17,339**	**0**
Petroleum Products	**7,384**	**333**	**0**	**3,636**	**5,563**	**1,767**	**0**	**71,151**	**26,441**	**0**	**1,874**	**1,378**	**1,249**	**1,428**	**0**	**0**	**45**	**0**
Pentanes Plus	0	0	0	0	224	0	0	0	819	0	0	63	148	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	501	3,055	39	0	1,214	3,258	0	0	566	1,101	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	160	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	39	176	0	156	0	0	0	38	67	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,162	0	0	1,987	1,427	917	0	42,016	12,174	0	991	507	0	956	0	0	0	0
Finished Leaded Motor Gasoline	1,105	0	0	334	405	181	0	6,735	2,703	0	304	234	0	395	0	0	0	0
Finished Unleaded Motor Gasoline	4,057	0	0	1,653	1,022	736	0	35,281	9,471	0	687	273	0	561	0	0	0	0
Finished Aviation Gasoline	11	0	0	0	0	22	0	163	161	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	239	1	0	324	42	0	98	0	0	0	0
Kerosene-Type Jet Fuel	230	0	0	216	190	555	0	10,065	2,800	0	157	4	0	57	0	0	0	0
Kerosene	0	0	0	11	100	0	0	345	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,879	0	0	633	384	234	0	14,519	6,111	0	390	196	0	317	0	0	0	0
Residual Fuel Oil	0	0	0	33	130	0	0	709	218	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	44	0	0	22	8	0	0	0	54	0	0	0	0	0	0	0	0	0
Special Naphthas	0	5	0	0	1	0	0	301	150	0	0	0	0	0	0	0	0	0
Lubricants	19	74	0	63	36	0	0	907	298	0	12	0	0	0	0	0	45	0
Waxes	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	63	0	14	0	0	0	388	330	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	15	0	0	8	0	0	76	0	0	0	0	0	0	0	0	0	0
Total	**7,384**	**333**	**0**	**3,710**	**7,894**	**2,390**	**0**	**71,570**	**71,615**	**0**	**1,874**	**7,172**	**4,029**	**1,428**	**1,567**	**0**	**17,384**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, May 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**171**	**2,350**	**820**	**0**	**487**	**48,688**	**0**	**0**	**5,201**	**2,911**	**0**	**0**	**0**	**19,884**	**0**
Petroleum Products	**7,340**	**225**	**0**	**3,969**	**6,103**	**1,748**	**0**	**77,315**	**25,489**	**0**	**2,327**	**1,458**	**1,427**	**1,551**	**0**	**0**	**40**	**0**
Pentanes Plus	0	0	0	0	277	0	0	0	602	0	0	56	129	0	0	0	0	0
Liquefied Petroleum Gases	9	0	0	682	2,850	40	0	844	2,555	0	0	557	1,298	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	162	0	0	150	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	49	0	132	53	0	0	163	9	0	60	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,928	0	0	2,085	1,579	931	0	46,041	14,177	0	1,344	459	0	1,042	0	0	0	0
Finished Leaded Motor Gasoline	1,069	0	0	347	430	189	0	7,136	3,059	0	459	173	0	418	0	0	0	0
Finished Unleaded Motor Gasoline	3,859	0	0	1,738	1,149	742	0	38,905	11,118	0	885	286	0	624	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	18	0	205	132	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	84	0	0	515	0	0	276	109	0	90	0	0	0	0
Kerosene-Type Jet Fuel	195	0	0	212	132	542	0	9,425	2,334	0	129	5	0	53	0	0	0	0
Kerosene	7	0	0	4	230	0	0	103	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,091	0	0	603	544	217	0	16,461	4,829	0	368	272	0	366	0	0	0	0
Residual Fuel Oil	0	0	0	1	289	0	0	825	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	81	50	0	60	0	0	0	0	25	0	0	0	0	0	0	0	0	0
Special Naphthas	0	3	0	0	0	0	0	283	147	0	0	0	0	0	0	0	0	0
Lubricants	9	101	0	84	55	0	0	1,688	457	0	0	0	0	0	0	0	40	0
Waxes	0	0	0	0	0	0	0	12	10	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	106	0	0	0	515	212	0	0	0	0	0	0	0	0	0
Miscellaneous Products	10	22	0	0	10	0	0	73	0	0	0	0	0	0	0	0	0	0
Total	**7,340**	**225**	**0**	**4,140**	**8,453**	**2,568**	**0**	**77,802**	**74,177**	**0**	**2,327**	**6,659**	**4,338**	**1,551**	**0**	**0**	**19,924**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, June 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**0**	**2,489**	**767**	**0**	**460**	**47,710**	**0**	**0**	**5,492**	**2,830**	**0**	**2,362**	**0**	**15,049**	**0**
Petroleum Products	**7,122**	**364**	**0**	**3,306**	**5,698**	**1,765**	**0**	**74,554**	**22,679**	**0**	**1,793**	**1,330**	**1,561**	**1,411**	**0**	**0**	**10**	**0**
Pentanes Plus	0	0	0	0	202	0	0	0	695	0	0	70	152	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	577	3,166	18	0	1,149	2,338	0	0	539	1,409	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	162	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	108	0	90	0	0	0	63	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,892	0	0	1,656	1,142	996	0	44,543	11,510	0	931	504	0	992	0	0	0	0
Finished Leaded Motor Gasoline	1,169	0	0	178	289	220	0	6,943	2,821	0	243	194	0	459	0	0	0	0
Finished Unleaded Motor Gasoline	3,723	0	0	1,478	853	776	0	37,600	8,689	0	688	310	0	533	0	0	0	0
Finished Aviation Gasoline	13	0	0	0	0	18	0	198	152	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	86	0	0	667	8	0	295	25	0	110	0	0	0	0
Kerosene-Type Jet Fuel	219	0	0	230	248	513	0	9,144	2,556	0	156	3	0	42	0	0	0	0
Kerosene	1	0	0	0	100	0	0	44	16	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,942	0	0	397	527	220	0	15,901	4,416	0	411	189	0	267	0	0	0	0
Residual Fuel Oil	13	0	0	0	171	0	0	678	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	32	9	0	75	17	0	0	0	68	0	0	0	0	0	0	0	0	0
Special Naphthas	0	4	0	0	0	0	0	422	184	0	0	0	0	0	0	0	0	0
Lubricants	0	83	0	99	29	0	0	899	451	0	0	0	0	0	0	0	10	0
Waxes	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	130	0	182	0	0	0	617	284	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	30	0	0	10	0	0	64	1	0	0	0	0	0	0	0	0	0
Total	**7,122**	**364**	**0**	**3,306**	**8,187**	**2,532**	**0**	**75,014**	**70,389**	**0**	**1,793**	**6,822**	**4,391**	**1,411**	**2,362**	**0**	**15,059**	**0**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, July 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**135**	**2,510**	**831**	**0**	**504**	**47,474**	**0**	**0**	**4,789**	**1,846**	**0**	**1,411**	**0**	**15,418**	**0**
Petroleum Products	**7,959**	**279**	**0**	**4,429**	**4,556**	**1,915**	**0**	**75,063**	**26,451**	**0**	**2,135**	**1,431**	**1,358**	**1,564**	**0**	**0**	**39**	**0**
Pentanes Plus	0	0	0	0	138	0	0	0	891	0	0	72	132	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	558	1,845	30	0	1,374	2,534	0	0	568	1,226	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	177	0	0	156	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	48	0	176	0	0	0	114	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,718	0	0	2,511	1,658	1,155	0	45,433	14,795	0	1,016	513	0	1,019	0	0	0	0
Finished Leaded Motor Gasoline	1,254	0	0	848	394	262	0	7,089	2,865	0	263	213	0	430	0	0	0	0
Finished Unleaded Motor Gasoline	4,464	0	0	1,663	1,264	893	0	38,344	11,930	0	753	300	0	589	0	0	0	0
Finished Aviation Gasoline	5	0	0	0	0	18	0	96	108	0	69	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	83	0	0	468	1	0	240	25	0	102	0	0	0	0
Kerosene-Type Jet Fuel	219	0	0	246	119	487	0	9,463	2,971	0	153	2	0	97	0	0	0	0
Kerosene	7	0	0	6	150	0	0	262	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,910	0	0	507	472	225	0	15,678	4,343	0	406	251	0	346	0	0	0	0
Residual Fuel Oil	10	0	0	14	57	0	0	482	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	80	11	0	54	17	0	0	19	33	0	0	0	0	0	0	0	0	0
Special Naphthas	0	2	0	0	0	0	0	207	90	0	0	0	0	0	0	0	0	0
Lubricants	0	65	0	75	8	0	0	963	308	0	95	0	0	0	0	0	39	0
Waxes	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	128	0	282	0	0	0	231	375	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	25	0	0	9	0	0	91	2	0	0	0	0	0	0	0	0	0
Total	**7,959**	**279**	**0**	**4,564**	**7,066**	**2,746**	**0**	**75,567**	**73,925**	**0**	**2,135**	**6,220**	**3,204**	**1,564**	**1,411**	**0**	**15,457**	**0**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, August 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**110**	**2,582**	**783**	**0**	**690**	**44,639**	**0**	**0**	**5,051**	**2,001**	**0**	**1,003**	**0**	**12,884**	**0**
Petroleum Products	**7,188**	**314**	**0**	**3,856**	**5,281**	**2,144**	**0**	**78,516**	**29,906**	**0**	**1,751**	**1,453**	**1,376**	**1,331**	**0**	**0**	**105**	**0**
Pentanes Plus	0	0	0	0	108	0	0	0	486	0	0	74	106	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	745	2,307	36	0	1,819	2,766	0	0	531	1,270	0	0	0	0	0
Unfinished Oils	4	0	0	0	0	0	0	154	0	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	30	95	0	106	0	0	0	53	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,046	0	0	1,666	1,502	1,238	0	44,175	17,607	0	921	511	0	803	0	0	0	0
Finished Leaded Motor Gasoline	1,079	0	0	105	355	276	0	6,428	3,359	0	227	223	0	383	0	0	0	0
Finished Unleaded Motor Gasoline	3,967	0	0	1,561	1,147	962	0	37,747	14,248	0	694	288	0	420	0	0	0	0
Finished Aviation Gasoline	7	0	0	0	0	26	0	250	145	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	46	0	0	268	0	0	269	25	0	92	0	0	0	0
Kerosene-Type Jet Fuel	214	0	0	210	272	606	0	9,644	3,074	0	132	4	0	53	0	0	0	0
Kerosene	0	0	0	13	150	0	0	369	36	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,801	0	0	653	446	238	0	19,801	4,592	0	378	308	0	383	0	0	0	0
Residual Fuel Oil	0	0	0	12	413	0	0	276	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	77	0	0	33	18	0	0	12	68	0	0	0	0	0	0	0	0	0
Special Naphthas	0	2	0	0	0	0	0	264	142	0	0	0	0	0	0	0	0	0
Lubricants	9	81	0	101	9	0	0	1,029	336	0	51	0	0	0	0	0	105	0
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	126	0	317	0	0	0	324	654	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	10	0	0	10	0	0	78	0	0	0	0	0	0	0	0	0	0
Total	**7,188**	**314**	**0**	**3,966**	**7,863**	**2,927**	**0**	**79,206**	**74,545**	**0**	**1,751**	**6,504**	**3,377**	**1,331**	**1,003**	**0**	**12,989**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, September 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**117**	**2,484**	**617**	**0**	**473**	**43,606**	**0**	**0**	**4,695**	**2,529**	**0**	**1,776**	**0**	**12,653**	**0**
Petroleum Products	**7,166**	**339**	**0**	**3,554**	**5,354**	**1,974**	**0**	**72,591**	**28,502**	**0**	**1,973**	**1,347**	**1,578**	**1,223**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	243	0	0	0	742	0	0	70	83	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	475	2,414	81	0	2,039	3,974	0	0	534	1,495	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	0	144	267	0	140	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	50	49	0	132	45	0	0	0	199	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,837	0	0	1,713	1,451	1,117	0	41,735	14,513	0	1,123	434	0	772	0	0	0	0
Finished Leaded Motor Gasoline	799	0	0	124	339	244	0	5,630	2,346	0	237	114	0	382	0	0	0	0
Finished Unleaded Motor Gasoline	4,038	0	0	1,589	1,112	873	0	36,105	12,167	0	886	320	0	390	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	35	14	0	95	124	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	55	0	0	506	1	0	178	49	0	109	0	0	0	0
Kerosene-Type Jet Fuel	280	0	0	207	147	550	0	9,664	3,390	0	130	2	0	84	0	0	0	0
Kerosene	28	0	0	102	134	0	0	153	50	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,891	0	0	528	446	212	0	15,990	4,327	0	378	258	0	258	0	0	0	0
Residual Fuel Oil	0	0	0	12	356	0	0	584	35	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	72	0	0	44	0	0	0	39	164	0	0	0	0	0	0	0	0	0
Special Naphthas	0	2	0	0	0	0	0	111	108	0	0	0	0	0	0	0	0	0
Lubricants	8	78	0	104	17	0	0	1,123	329	0	24	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	184	0	229	0	0	0	304	279	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	26	0	8	11	0	0	102	0	0	0	0	0	0	0	0	0	0
Total	**7,166**	**339**	**0**	**3,671**	**7,838**	**2,591**	**0**	**73,064**	**72,108**	**0**	**1,973**	**6,042**	**4,107**	**1,223**	**1,776**	**0**	**12,653**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between

(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**183**	**2,644**	**575**	**0**	**454**	**48,044**	**0**	**0**	**4,750**	**2,535**	**0**	**1,212**	**0**	**14,021**	**0**
Petroleum Products	**7,161**	**131**	**0**	**3,829**	**5,408**	**1,794**	**0**	**76,893**	**29,023**	**0**	**1,732**	**1,289**	**1,752**	**1,043**	**0**	**0**	**50**	**0**
Pentanes Plus	0	0	0	0	156	0	0	0	815	0	0	60	107	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	610	2,366	73	0	2,522	3,066	0	0	516	1,645	0	0	0	0	0
Unfinished Oils	0	0	0	0	74	0	0	124	445	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	10	0	0	93	0	0	0	181	37	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,425	0	0	2,034	1,418	982	0	42,390	14,149	0	885	419	0	753	0	0	0	0
Finished Leaded Motor Gasoline	887	0	0	219	302	209	0	5,063	1,957	0	246	154	0	266	0	0	0	0
Finished Unleaded Motor Gasoline	3,538	0	0	1,815	1,116	773	0	37,327	12,192	0	639	265	0	487	0	0	0	0
Finished Aviation Gasoline	6	0	0	0	0	17	0	294	107	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	148	0	0	785	0	0	228	25	0	68	0	0	0	0
Kerosene-Type Jet Fuel	394	0	0	238	192	497	0	11,195	3,616	0	163	4	0	89	0	0	0	0
Kerosene	58	0	0	99	172	0	0	457	15	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,212	0	0	470	431	225	0	16,585	5,792	0	402	265	0	133	0	0	0	0
Residual Fuel Oil	0	0	0	0	424	0	0	449	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	56	0	0	15	8	0	0	40	45	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	335	116	0	0	0	0	0	0	0	0	0
Lubricants	0	83	0	101	10	0	0	1,000	287	0	54	0	0	0	0	0	50	0
Waxes	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	23	0	169	0	0	0	458	533	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	25	0	0	9	0	0	72	0	0	0	0	0	0	0	0	0	0
Total	**7,161**	**131**	**0**	**4,012**	**8,052**	**2,369**	**0**	**77,347**	**77,067**	**0**	**1,732**	**6,039**	**4,287**	**1,043**	**1,212**	**0**	**14,071**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, November 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**0**	**0**	**0**	**119**	**2,562**	**694**	**0**	**380**	**48,113**	**0**	**0**	**5,901**	**2,162**	**0**	**934**	**0**	**14,592**	**0**
Petroleum Products	**7,497**	**252**	**0**	**3,865**	**4,508**	**1,449**	**0**	**77,315**	**27,563**	**0**	**1,859**	**1,113**	**1,687**	**1,526**	**0**	**0**	**46**	**0**
Pentanes Plus	0	0	0	0	135	0	0	0	718	0	0	47	105	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	851	1,842	41	0	2,341	4,758	0	0	410	1,582	0	0	0	0	0
Unfinished Oils	0	0	0	0	74	0	0	220	351	0	154	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	41	47	0	128	0	0	0	166	52	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,759	0	0	1,870	1,540	726	0	42,809	11,870	0	955	398	0	1,110	0	0	0	0
Finished Leaded Motor Gasoline	795	0	0	133	388	160	0	4,928	1,582	0	292	136	0	400	0	0	0	0
Finished Unleaded Motor Gasoline	3,964	0	0	1,737	1,152	566	0	37,881	10,288	0	663	262	0	710	0	0	0	0
Finished Aviation Gasoline	20	0	0	0	0	17	0	149	98	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	86	0	0	207	1	0	263	24	0	91	0	0	0	0
Kerosene-Type Jet Fuel	449	0	0	196	97	513	0	11,989	3,481	0	139	0	0	66	0	0	0	0
Kerosene	34	0	0	28	144	0	0	555	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,131	0	0	444	314	152	0	17,175	5,365	0	348	234	0	259	0	0	0	0
Residual Fuel Oil	0	0	0	0	222	0	0	103	89	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	63	0	0	74	0	0	0	75	152	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	305	132	0	0	0	0	0	0	0	0	0
Lubricants	0	88	0	117	45	0	0	880	359	0	0	0	0	0	0	0	46	0
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	96	0	157	0	0	0	297	137	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	21	0	0	9	0	0	44	0	0	0	0	0	0	0	0	0	0
Total	**7,497**	**252**	**0**	**3,984**	**7,070**	**2,143**	**0**	**77,695**	**75,676**	**0**	**1,859**	**7,014**	**3,849**	**1,526**	**934**	**0**	**14,638**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 20. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 1988
(Thousand Barrels)

Commodity	From I to			From II to				From III to				From IV to			From V to			
	II	III	V	I	III	IV	V	I	II	IV	V	II	III	V	I	II	III	IV
Crude Oil	**38**	**0**	**0**	**114**	**2,594**	**618**	**0**	**431**	**48,688**	**0**	**0**	**4,889**	**2,008**	**0**	**977**	**0**	**15,580**	**0**
Petroleum Products	**7,222**	**183**	**0**	**4,261**	**6,094**	**1,627**	**0**	**90,847**	**26,347**	**0**	**1,892**	**1,130**	**1,462**	**1,489**	**0**	**0**	**0**	**0**
Pentanes Plus	0	0	0	0	168	0	0	0	597	0	0	47	103	0	0	0	0	0
Liquefied Petroleum Gases	0	0	0	1,222	2,734	219	0	3,163	4,770	0	0	455	1,359	0	0	0	0	0
Unfinished Oils	0	0	0	0	200	0	0	125	131	0	0	0	0	0	0	0	0	0
Blending Components																		
Motor Gasoline	33	49	0	86	53	0	0	136	25	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,688	0	0	1,896	1,923	778	0	49,405	12,375	0	1,006	338	0	935	0	0	0	0
Finished Leaded Motor Gasoline	931	0	0	139	411	116	0	5,223	2,247	0	279	130	0	385	0	0	0	0
Finished Unleaded Motor Gasoline	3,757	0	0	1,757	1,512	662	0	44,182	10,128	0	727	208	0	550	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	14	0	117	113	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	582	1	0	260	40	0	70	0	0	0	0
Kerosene-Type Jet Fuel	435	0	0	171	217	498	0	10,884	3,362	0	96	4	0	112	0	0	0	0
Kerosene	76	0	0	45	161	0	0	1,015	38	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,947	0	0	533	367	118	0	23,413	4,316	0	462	246	0	372	0	0	0	0
Residual Fuel Oil	0	0	0	109	200	0	0	627	0	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks[1]	43	0	0	42	0	0	0	0	31	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	299	162	0	0	0	0	0	0	0	0	0
Lubricants	0	107	0	57	62	0	0	743	426	0	68	0	0	0	0	0	0	0
Waxes	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	100	0	0	0	263	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	27	0	0	9	0	0	74	0	0	0	0	0	0	0	0	0	0
Total	**7,260**	**183**	**0**	**4,375**	**8,688**	**2,245**	**0**	**91,278**	**75,035**	**0**	**1,892**	**6,019**	**3,470**	**1,489**	**977**	**0**	**15,580**	**0**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**63**	**2,789**	**690**	**0**	**43,355**	**0**	**0**	**5,688**	**1,841**	**0**	**2,634**	**0**
Petroleum Products	**6,493**	**0**	**3,079**	**5,105**	**2,009**	**71,407**	**24,956**	**0**	**1,742**	**1,314**	**1,155**	**1,705**	**0**	**0**
Pentanes Plus	0	0	0	291	0	0	495	0	0	58	120	0	0	0
Liquefied Petroleum Gases	0	0	1,437	2,715	309	2,811	4,623	0	0	511	1,035	0	0	0
Blending Components														
Motor Gasoline	0	0	89	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,518	0	1,067	1,287	828	35,317	13,062	0	1,028	412	0	976	0	0
Finished Leaded Motor Gasoline	888	0	136	363	144	5,988	2,601	0	343	190	0	406	0	0
Finished Unleaded Motor Gasoline	3,630	0	931	924	684	29,329	10,461	0	685	222	0	570	0	0
Finished Aviation Gasoline	5	0	0	0	9	43	49	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	128	0	313	0	0	273	74	0	166	0	0
Kerosene-Type Jet Fuel	345	0	146	88	717	9,570	4,549	0	131	7	0	167	0	0
Kerosene	116	0	10	98	0	1,030	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,509	0	330	492	146	22,323	2,178	0	310	252	0	396	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Total	**6,493**	**0**	**3,142**	**7,894**	**2,699**	**71,407**	**68,311**	**0**	**1,742**	**7,002**	**2,996**	**1,705**	**2,634**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, February 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**36**	**2,282**	**608**	**0**	**39,683**	**0**	**0**	**5,101**	**2,735**	**0**	**3,655**	**0**
Petroleum Products	**6,371**	**0**	**2,626**	**4,443**	**1,682**	**70,445**	**18,171**	**0**	**1,630**	**1,283**	**1,259**	**1,334**	**0**	**0**
Pentanes Plus	0	0	0	158	0	0	550	0	0	56	182	0	0	0
Liquefied Petroleum Gases	0	0	1,124	2,490	155	2,649	4,111	0	0	520	1,077	0	0	0
Blending Components														
Motor Gasoline	0	0	144	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,213	0	965	1,225	778	34,066	10,373	0	901	386	0	815	0	0
Finished Leaded Motor Gasoline	983	0	117	312	205	5,324	2,478	0	260	159	0	308	0	0
Finished Unleaded Motor Gasoline	3,230	0	848	913	573	28,742	7,895	0	641	227	0	507	0	0
Finished Aviation Gasoline	0	0	0	0	9	7	89	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	80	0	158	0	0	230	101	0	44	0	0
Kerosene-Type Jet Fuel	342	0	129	69	597	9,029	1,954	0	144	8	0	105	0	0
Kerosene	88	0	0	100	0	1,140	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,728	0	264	314	143	23,396	1,094	0	355	212	0	370	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Total	**6,371**	**0**	**2,662**	**6,725**	**2,290**	**70,445**	**57,854**	**0**	**1,630**	**6,384**	**3,994**	**1,334**	**3,655**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**1,872**	**689**	**0**	**42,015**	**0**	**0**	**6,787**	**2,690**	**0**	**3,162**	**0**
Petroleum Products	**6,769**	**0**	**2,228**	**4,889**	**1,851**	**62,348**	**22,493**	**0**	**1,877**	**1,299**	**1,335**	**1,424**	**0**	**0**
Pentanes Plus	0	0	0	272	0	0	651	0	0	60	161	0	0	0
Liquefied Petroleum Gases	0	0	578	2,369	123	1,959	3,574	0	0	533	1,174	0	0	0
Blending Components														
Motor Gasoline	0	0	213	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,648	0	1,042	1,478	931	35,174	12,276	0	999	428	0	956	0	0
Finished Leaded Motor Gasoline	965	0	173	424	187	5,355	2,528	0	296	166	0	405	0	0
Finished Unleaded Motor Gasoline	3,683	0	869	1,054	744	29,819	9,748	0	703	262	0	551	0	0
Finished Aviation Gasoline	13	0	0	0	9	27	49	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	108	0	198	0	0	342	62	0	60	0	0
Kerosene-Type Jet Fuel	281	0	139	80	575	8,667	2,601	0	189	4	0	92	0	0
Kerosene	55	0	0	99	0	591	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,772	0	256	476	213	15,732	3,342	0	347	212	0	316	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Total	**6,769**	**0**	**2,228**	**6,761**	**2,540**	**62,348**	**64,508**	**0**	**1,877**	**8,086**	**4,025**	**1,424**	**3,162**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**10**	**2,331**	**623**	**0**	**45,174**	**0**	**0**	**5,794**	**2,780**	**0**	**3,312**	**0**
Petroleum Products	**7,205**	**0**	**2,050**	**5,379**	**1,767**	**55,562**	**21,426**	**0**	**1,862**	**1,378**	**1,249**	**1,428**	**0**	**0**
Pentanes Plus	0	0	0	224	0	0	819	0	0	63	148	0	0	0
Liquefied Petroleum Gases	0	0	501	3,046	39	962	3,243	0	0	566	1,101	0	0	0
Blending Components														
Motor Gasoline	0	0	146	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,085	0	1,107	1,427	917	33,972	10,083	0	991	507	0	956	0	0
Finished Leaded Motor Gasoline	1,028	0	145	405	181	5,374	2,211	0	304	234	0	395	0	0
Finished Unleaded Motor Gasoline	4,057	0	962	1,022	736	28,598	7,872	0	687	273	0	561	0	0
Finished Aviation Gasoline	11	0	0	0	22	53	152	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	130	1	0	324	42	0	98	0	0
Kerosene-Type Jet Fuel	230	0	139	190	555	8,283	2,542	0	157	4	0	57	0	0
Kerosene	0	0	0	100	0	306	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,879	0	157	384	234	11,856	4,586	0	390	196	0	317	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	8	0	0	0	0	0	0	0	0	0	0
Total	**7,205**	**0**	**2,060**	**7,710**	**2,390**	**55,562**	**66,600**	**0**	**1,862**	**7,172**	**4,029**	**1,428**	**3,312**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,350**	**820**	**0**	**48,688**	**0**	**0**	**5,201**	**2,911**	**0**	**3,184**	**0**
Petroleum Products	**7,203**	**0**	**2,490**	**5,576**	**1,748**	**59,345**	**21,320**	**0**	**1,853**	**1,458**	**1,427**	**1,551**	**0**	**0**
Pentanes Plus	0	0	0	277	0	0	602	0	0	56	129	0	0	0
Liquefied Petroleum Gases	0	0	682	2,850	40	727	2,555	0	0	557	1,298	0	0	0
Blending Components														
Motor Gasoline	0	0	132	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,928	0	1,317	1,579	931	37,380	12,230	0	1,080	459	0	1,042	0	0
Finished Leaded Motor Gasoline	1,069	0	157	430	189	5,949	2,491	0	326	173	0	418	0	0
Finished Unleaded Motor Gasoline	3,859	0	1,160	1,149	742	31,431	9,739	0	754	286	0	624	0	0
Finished Aviation Gasoline	0	0	0	0	18	27	98	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	84	0	306	0	0	276	109	0	90	0	0
Kerosene-Type Jet Fuel	195	0	136	132	542	8,013	2,043	0	129	5	0	53	0	0
Kerosene	7	0	0	100	0	103	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,073	0	223	544	217	12,789	3,792	0	368	272	0	366	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	10	0	0	0	0	0	0	0	0	0	0
Total	**7,203**	**0**	**2,490**	**7,926**	**2,568**	**59,345**	**70,008**	**0**	**1,853**	**6,659**	**4,338**	**1,551**	**3,184**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,489**	**767**	**0**	**47,710**	**0**	**0**	**5,492**	**2,830**	**0**	**3,199**	**0**
Petroleum Products	**7,022**	**0**	**1,942**	**5,360**	**1,765**	**59,412**	**18,849**	**0**	**1,793**	**1,330**	**1,561**	**1,411**	**0**	**0**
Pentanes Plus	0	0	0	202	0	0	695	0	0	70	152	0	0	0
Liquefied Petroleum Gases	0	0	577	3,166	18	961	2,338	0	0	539	1,409	0	0	0
Blending Components														
Motor Gasoline	0	0	90	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,892	0	1,052	1,142	996	36,945	9,657	0	931	504	0	992	0	0
Finished Leaded Motor Gasoline	1,169	0	114	289	220	5,946	2,415	0	243	194	0	459	0	0
Finished Unleaded Motor Gasoline	3,723	0	938	853	776	30,999	7,242	0	688	310	0	533	0	0
Finished Aviation Gasoline	13	0	0	0	18	63	138	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	86	0	254	8	0	295	25	0	110	0	0
Kerosene-Type Jet Fuel	219	0	158	127	513	7,528	2,304	0	156	3	0	42	0	0
Kerosene	1	0	0	100	0	19	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,897	0	65	527	220	13,642	3,709	0	411	189	0	267	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	10	0	0	0	0	0	0	0	0	0	0
Total	**7,022**	**0**	**1,942**	**7,849**	**2,532**	**59,412**	**66,559**	**0**	**1,793**	**6,822**	**4,391**	**1,411**	**3,199**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,510**	**831**	**0**	**47,474**	**0**	**0**	**4,789**	**1,846**	**0**	**2,563**	**0**
Petroleum Products	**7,841**	**0**	**2,088**	**4,474**	**1,915**	**61,903**	**22,883**	**0**	**1,815**	**1,431**	**1,358**	**1,564**	**0**	**0**
Pentanes Plus	0	0	0	138	0	0	891	0	0	72	132	0	0	0
Liquefied Petroleum Gases	0	0	558	1,845	30	1,216	2,523	0	0	568	1,226	0	0	0
Blending Components														
Motor Gasoline	0	0	176	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,718	0	1,025	1,658	1,155	38,552	13,040	0	1,016	513	0	1,019	0	0
Finished Leaded Motor Gasoline	1,254	0	109	394	262	6,125	2,500	0	263	213	0	430	0	0
Finished Unleaded Motor Gasoline	4,464	0	916	1,264	893	32,427	10,540	0	753	300	0	589	0	0
Finished Aviation Gasoline	5	0	0	0	18	38	97	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	83	0	157	1	0	240	25	0	102	0	0
Kerosene-Type Jet Fuel	219	0	149	119	487	7,922	2,737	0	153	2	0	97	0	0
Kerosene	7	0	0	150	0	248	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,892	0	180	472	225	13,770	3,594	0	406	251	0	346	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Total	**7,841**	**0**	**2,088**	**6,984**	**2,746**	**61,903**	**70,357**	**0**	**1,815**	**6,220**	**3,204**	**1,564**	**2,563**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,582**	**783**	**0**	**44,639**	**0**	**0**	**5,051**	**2,001**	**0**	**3,154**	**0**
Petroleum Products	**7,068**	**0**	**1,825**	**4,832**	**2,144**	**63,763**	**24,856**	**0**	**1,700**	**1,453**	**1,376**	**1,331**	**0**	**0**
Pentanes Plus	0	0	0	108	0	0	486	0	0	74	106	0	0	0
Liquefied Petroleum Gases	0	0	745	2,298	36	1,677	2,756	0	0	531	1,270	0	0	0
Blending Components														
Motor Gasoline	0	0	106	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,046	0	766	1,502	1,238	36,271	15,185	0	921	511	0	803	0	0
Finished Leaded Motor Gasoline	1,079	0	32	355	276	5,448	2,775	0	227	223	0	383	0	0
Finished Unleaded Motor Gasoline	3,967	0	734	1,147	962	30,823	12,410	0	694	288	0	420	0	0
Finished Aviation Gasoline	7	0	0	0	26	45	106	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	46	0	268	0	0	269	25	0	92	0	0
Kerosene-Type Jet Fuel	214	0	64	272	606	8,130	2,793	0	132	4	0	53	0	0
Kerosene	0	0	0	150	0	350	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,801	0	144	446	238	17,022	3,530	0	378	308	0	383	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	10	0	0	0	0	0	0	0	0	0	0
Total	**7,068**	**0**	**1,825**	**7,414**	**2,927**	**63,763**	**69,495**	**0**	**1,700**	**6,504**	**3,377**	**1,331**	**3,154**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,484**	**617**	**0**	**43,606**	**0**	**0**	**4,695**	**2,529**	**0**	**3,170**	**0**
Petroleum Products	**6,999**	**0**	**1,639**	**4,892**	**1,974**	**59,377**	**23,994**	**0**	**1,585**	**1,347**	**1,578**	**1,223**	**0**	**0**
Pentanes Plus	0	0	0	243	0	0	742	0	0	70	83	0	0	0
Liquefied Petroleum Gases	0	0	475	2,405	81	1,836	3,974	0	0	534	1,495	0	0	0
Blending Components														
Motor Gasoline	0	0	132	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,837	0	764	1,451	1,117	34,737	12,715	0	899	434	0	772	0	0
Finished Leaded Motor Gasoline	799	0	70	339	244	4,155	2,068	0	237	114	0	382	0	0
Finished Unleaded Motor Gasoline	4,038	0	694	1,112	873	30,582	10,647	0	662	320	0	390	0	0
Finished Aviation Gasoline	0	0	0	0	14	20	92	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	55	0	166	1	0	178	49	0	109	0	0
Kerosene-Type Jet Fuel	280	0	135	147	550	8,028	3,103	0	130	2	0	84	0	0
Kerosene	28	0	0	134	0	129	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,854	0	133	446	212	14,461	3,367	0	378	258	0	258	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	11	0	0	0	0	0	0	0	0	0	0
Total	**6,999**	**0**	**1,639**	**7,376**	**2,591**	**59,377**	**67,600**	**0**	**1,585**	**6,042**	**4,107**	**1,223**	**3,170**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**20**	**2,644**	**575**	**0**	**48,044**	**0**	**0**	**4,750**	**2,535**	**0**	**3,072**	**0**
Petroleum Products	**7,095**	**0**	**1,892**	**4,892**	**1,794**	**61,548**	**24,571**	**0**	**1,678**	**1,289**	**1,752**	**1,043**	**0**	**0**
Pentanes Plus	0	0	0	156	0	0	815	0	0	60	107	0	0	0
Liquefied Petroleum Gases	0	0	610	2,366	73	2,304	3,032	0	0	516	1,645	0	0	0
Blending Components														
Motor Gasoline	0	0	93	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,425	0	982	1,418	982	34,909	12,300	0	885	419	0	753	0	0
Finished Leaded Motor Gasoline	887	0	91	302	209	4,142	1,701	0	246	154	0	266	0	0
Finished Unleaded Motor Gasoline	3,538	0	891	1,116	773	30,767	10,599	0	639	265	0	487	0	0
Finished Aviation Gasoline	6	0	0	0	17	42	98	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	148	0	221	0	0	228	25	0	68	0	0
Kerosene-Type Jet Fuel	394	0	116	192	497	9,085	3,397	0	163	4	0	89	0	0
Kerosene	58	0	0	172	0	411	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,212	0	91	431	225	14,576	4,929	0	402	265	0	133	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Total	**7,095**	**0**	**1,912**	**7,536**	**2,369**	**61,548**	**72,615**	**0**	**1,678**	**6,039**	**4,287**	**1,043**	**3,072**	**0**

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,562**	**694**	**0**	**48,113**	**0**	**0**	**5,901**	**2,162**	**0**	**3,139**	**0**
Petroleum Products	**7,359**	**0**	**2,146**	**4,167**	**1,449**	**63,616**	**23,400**	**0**	**1,705**	**1,113**	**1,687**	**1,526**	**0**	**0**
Pentanes Plus	0	0	0	135	0	0	718	0	0	47	105	0	0	0
Liquefied Petroleum Gases	0	0	851	1,842	41	2,085	4,732	0	0	410	1,582	0	0	0
Blending Components														
Motor Gasoline	0	0	128	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,734	0	931	1,540	726	35,211	10,332	0	955	398	0	1,110	0	0
Finished Leaded Motor Gasoline	795	0	27	388	160	4,080	1,253	0	292	136	0	400	0	0
Finished Unleaded Motor Gasoline	3,939	0	904	1,152	566	31,131	9,079	0	663	262	0	710	0	0
Finished Aviation Gasoline	20	0	0	0	17	62	98	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	86	0	207	1	0	263	24	0	91	0	0
Kerosene-Type Jet Fuel	449	0	122	97	513	10,171	3,119	0	139	0	0	66	0	0
Kerosene	34	0	0	144	0	520	0	0	0	0	0	0	0	0
Distillate Fuel Oil	2,122	0	114	314	152	15,360	4,400	0	348	234	0	259	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Total	**7,359**	**0**	**2,146**	**6,729**	**2,143**	**63,616**	**71,513**	**0**	**1,705**	**7,014**	**3,849**	**1,526**	**3,139**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 1988
(Thousand Barrels)

Commodity	From I to		From II to			From III to				From IV to			From V to	
	II	III	I	III	IV	I	II	IV	V	II	III	V	III	IV
Crude Oil	**0**	**0**	**0**	**2,594**	**618**	**0**	**48,688**	**0**	**0**	**4,889**	**2,008**	**0**	**3,292**	**0**
Petroleum Products	**7,070**	**0**	**2,697**	**5,482**	**1,627**	**73,555**	**22,206**	**0**	**1,824**	**1,130**	**1,462**	**1,489**	**0**	**0**
Pentanes Plus	0	0	0	168	0	0	597	0	0	47	103	0	0	0
Liquefied Petroleum Gases	0	0	1,222	2,734	219	2,850	4,745	0	0	455	1,359	0	0	0
Blending Components														
Motor Gasoline	0	0	86	0	0	0	0	0	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4,633	0	1,155	1,826	778	40,475	10,349	0	1,006	338	0	935	0	0
Finished Leaded Motor Gasoline	908	0	97	411	116	4,376	1,927	0	279	130	0	385	0	0
Finished Unleaded Motor Gasoline	3,725	0	1,058	1,415	662	36,099	8,422	0	727	208	0	550	0	0
Finished Aviation Gasoline	0	0	0	0	14	19	93	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	237	1	0	260	40	0	70	0	0
Kerosene-Type Jet Fuel	435	0	96	217	498	8,627	3,012	0	96	4	0	112	0	0
Kerosene	76	0	0	161	0	945	0	0	0	0	0	0	0	0
Distillate Fuel Oil	1,926	0	138	367	118	20,402	3,409	0	462	246	0	372	0	0
Residual Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0	0	0	9	0	0	0	0	0	0	0	0	0	0
Total	**7,070**	**0**	**2,697**	**8,076**	**2,245**	**73,555**	**70,894**	**0**	**1,824**	**6,019**	**3,470**	**1,489**	**3,292**	**0**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**180**	**0**	**0**	**474**	**0**	**474**	**0**	**0**	**0**	**1,129**	**0**	**12,483**
Petroleum Products	**109**	**79**	**0**	**1,775**	**289**	**0**	**17,797**	**1,575**	**2,308**	**13,914**	**3,082**	**109**	**0**	**0**	**43**
Liquefied Petroleum Gases	0	0	0	0	0	0	338	0	0	338	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	172	0	17	155	0	109	0	0	0
Motor Gasoline Blending Components	10	0	0	0	0	0	19	0	19	0	62	0	0	0	0
Finished Motor Gasoline	0	0	0	1,017	0	0	8,734	0	140	8,594	1,662	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	185	0	0	1,077	0	29	1,048	417	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	832	0	0	7,657	0	111	7,546	1,245	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	118	0	32	86	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	212	0	0	212	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	94	0	0	1,595	25	189	1,381	282	0	0	0	0
Kerosene	6	0	0	66	0	0	85	0	55	30	0	0	0	0	0
Distillate Fuel Oil	84	0	0	418	0	0	4,085	1,350	906	1,829	657	0	0	0	0
Residual Fuel Oil	0	0	0	45	271	0	846	200	402	244	0	0	0	0	0
Petrochemical Feedstocks[1]	9	9	0	79	18	0	0	0	0	0	21	0	0	0	0
Special Naphthas	0	5	0	0	0	0	258	0	115	143	74	0	0	0	0
Lubricants	0	50	0	56	0	0	810	0	382	428	309	0	0	0	43
Waxes	0	0	0	0	0	0	7	0	7	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	474	0	0	474	15	0	0	0	0
Miscellaneous Products	0	15	0	0	0	0	44	0	44	0	0	0	0	0	0
Total	**109**	**79**	**0**	**1,955**	**289**	**0**	**18,271**	**1,575**	**2,782**	**13,914**	**3,082**	**109**	**1,129**	**0**	**12,526**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, February 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**141**	**0**	**0**	**201**	**0**	**201**	**0**	**0**	**0**	**1,512**	**0**	**16,815**
Petroleum Products	**123**	**151**	**0**	**1,730**	**461**	**0**	**17,386**	**1,156**	**2,418**	**13,812**	**3,891**	**116**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	9	0	329	0	0	329	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	195	0	22	173	0	0	0	0	0
Motor Gasoline Blending Components	28	80	0	0	0	0	105	0	105	0	22	0	0	0	0
Finished Motor Gasoline	0	0	0	1,016	0	0	8,706	0	219	8,487	2,034	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	184	0	0	1,091	0	33	1,058	470	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	832	0	0	7,615	0	186	7,429	1,564	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	60	0	43	17	6	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	170	0	0	170	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	85	0	0	1,838	38	214	1,586	445	0	0	0	0
Kerosene	0	0	0	45	0	0	103	0	70	33	0	0	0	0	0
Distillate Fuel Oil	69	0	0	359	0	0	3,577	895	785	1,897	706	0	0	0	0
Residual Fuel Oil	0	0	0	26	316	0	814	223	248	343	72	0	0	0	0
Petrochemical Feedstocks[1]	18	0	0	44	9	0	0	0	0	0	10	0	0	0	0
Special Naphthas	0	4	0	0	0	0	278	0	119	159	158	0	0	0	0
Lubricants	8	52	0	137	127	0	884	0	521	363	438	116	0	0	0
Waxes	0	0	0	0	0	0	9	0	9	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	0	0	0	237	0	0	237	0	0	0	0	0
Miscellaneous Products	0	15	0	18	0	0	81	0	63	18	0	0	0	0	0
Total	**123**	**151**	**0**	**1,871**	**461**	**0**	**17,587**	**1,156**	**2,619**	**13,812**	**3,891**	**116**	**1,512**	**0**	**16,815**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**138**	**0**	**0**	**656**	**0**	**656**	**0**	**0**	**0**	**951**	**0**	**18,712**
Petroleum Products	**198**	**354**	**0**	**1,584**	**311**	**0**	**16,860**	**240**	**1,793**	**14,827**	**4,018**	**267**	**0**	**0**	**56**
Liquefied Petroleum Gases	0	0	0	0	18	0	359	0	0	359	8	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	327	0	66	261	0	141	0	0	0
Motor Gasoline Blending Components	30	150	0	10	0	0	109	0	49	60	15	64	0	0	0
Finished Motor Gasoline	22	0	0	937	0	0	8,759	0	29	8,730	1,865	0	0	0	0
Finished Leaded Motor Gasoline	22	0	0	191	0	0	1,388	0	0	1,388	489	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	746	0	0	7,371	0	29	7,342	1,376	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	111	0	40	71	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	427	0	210	217	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	85	0	0	1,976	0	143	1,833	442	0	0	0	0
Kerosene	0	0	0	25	0	0	82	0	25	57	0	0	0	0	0
Distillate Fuel Oil	17	0	0	377	0	0	3,018	240	547	2,231	922	0	0	0	0
Residual Fuel Oil	0	0	0	0	263	0	537	0	325	212	117	0	0	0	0
Petrochemical Feedstocks[1]	119	54	0	31	0	0	0	0	0	0	90	0	0	0	0
Special Naphthas	1	6	0	0	12	0	185	0	33	152	143	0	0	0	0
Lubricants	9	59	0	101	18	0	636	0	278	358	401	62	0	0	25
Waxes	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0
Asphalt and Road Oil	0	64	0	0	0	0	250	0	0	250	15	0	0	0	0
Miscellaneous Products	0	21	0	18	0	0	81	0	45	36	0	0	0	0	31
Total	**198**	**354**	**0**	**1,722**	**311**	**0**	**17,516**	**240**	**2,449**	**14,827**	**4,018**	**267**	**951**	**0**	**18,768**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**64**	**0**	**0**	**419**	**0**	**419**	**0**	**0**	**0**	**1,567**	**0**	**14,027**
Petroleum Products	**179**	**333**	**0**	**1,586**	**184**	**0**	**15,589**	**245**	**2,320**	**13,024**	**5,015**	**12**	**0**	**0**	**45**
Liquefied Petroleum Gases	0	0	0	0	9	0	252	0	0	252	15	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	160	0	53	107	0	0	0	0	0
Motor Gasoline Blending Components	39	176	0	10	0	0	38	0	38	0	67	0	0	0	0
Finished Motor Gasoline	77	0	0	880	0	0	8,044	0	27	8,017	2,091	0	0	0	0
Finished Leaded Motor Gasoline	77	0	0	189	0	0	1,361	0	0	1,361	492	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	691	0	0	6,683	0	27	6,656	1,599	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	110	0	61	49	9	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	109	0	0	109	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	77	0	0	1,782	0	239	1,543	258	0	0	0	0
Kerosene	0	0	0	11	0	0	39	0	0	39	0	0	0	0	0
Distillate Fuel Oil	0	0	0	476	0	0	2,663	245	549	1,869	1,525	0	0	0	0
Residual Fuel Oil	0	0	0	33	130	0	709	0	656	53	218	0	0	0	0
Petrochemical Feedstocks[1]	44	0	0	22	8	0	0	0	0	0	54	0	0	0	0
Special Naphthas	0	5	0	0	1	0	301	0	107	194	150	0	0	0	0
Lubricants	19	74	0	63	36	0	907	0	514	393	298	12	0	0	45
Waxes	0	0	0	0	0	0	11	0	11	0	0	0	0	0	0
Asphalt and Road Oil	0	63	0	14	0	0	388	0	7	381	330	0	0	0	0
Miscellaneous Products	0	15	0	0	0	0	76	0	58	18	0	0	0	0	0
Total	**179**	**333**	**0**	**1,650**	**184**	**0**	**16,008**	**245**	**2,739**	**13,024**	**5,015**	**12**	**1,567**	**0**	**14,072**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**171**	**0**	**0**	**487**	**0**	**487**	**0**	**0**	**0**	**0**	**0**	**16,700**
Petroleum Products	**137**	**225**	**0**	**1,479**	**527**	**0**	**17,970**	**462**	**2,886**	**14,622**	**4,169**	**474**	**0**	**0**	**40**
Liquefied Petroleum Gases	9	0	0	0	0	0	117	0	0	117	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	162	0	54	108	0	150	0	0	0
Motor Gasoline Blending Components	10	49	0	0	53	0	163	0	163	0	9	60	0	0	0
Finished Motor Gasoline	0	0	0	768	0	0	8,661	0	53	8,608	1,947	264	0	0	0
Finished Leaded Motor Gasoline	0	0	0	190	0	0	1,187	0	0	1,187	568	133	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	578	0	0	7,474	0	53	7,421	1,379	131	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	178	0	94	84	34	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	209	0	0	209	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	76	0	0	1,412	0	174	1,238	291	0	0	0	0
Kerosene	0	0	0	4	130	0	0	0	0	0	0	0	0	0	0
Distillate Fuel Oil	18	0	0	380	0	0	3,672	462	1,032	2,178	1,037	0	0	0	0
Residual Fuel Oil	0	0	0	1	289	0	825	0	611	214	0	0	0	0	0
Petrochemical Feedstocks[1]	81	50	0	60	0	0	0	0	0	0	25	0	0	0	0
Special Naphthas	0	3	0	0	0	0	283	0	120	163	147	0	0	0	0
Lubricants	9	101	0	84	55	0	1,688	0	507	1,181	457	0	0	0	40
Waxes	0	0	0	0	0	0	12	0	0	12	10	0	0	0	0
Asphalt and Road Oil	0	0	0	106	0	0	515	0	41	474	212	0	0	0	0
Miscellaneous Products	10	22	0	0	0	0	73	0	37	36	0	0	0	0	0
Total	**137**	**225**	**0**	**1,650**	**527**	**0**	**18,457**	**462**	**3,373**	**14,622**	**4,169**	**474**	**0**	**0**	**16,740**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**0**	**0**	**0**	**460**	**0**	**460**	**0**	**0**	**0**	**2,362**	**0**	**11,850**
Petroleum Products	**100**	**364**	**0**	**1,364**	**338**	**0**	**15,142**	**0**	**2,343**	**12,799**	**3,830**	**0**	**0**	**0**	**10**
Liquefied Petroleum Gases	0	0	0	0	0	0	188	0	0	188	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	162	0	60	102	0	0	0	0	0
Motor Gasoline Blending Components	10	108	0	0	0	0	63	0	63	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	604	0	0	7,598	0	246	7,352	1,853	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	64	0	0	997	0	0	997	406	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	540	0	0	6,601	0	246	6,355	1,447	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	135	0	56	79	14	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	413	0	0	413	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	72	121	0	1,616	0	248	1,368	252	0	0	0	0
Kerosene	0	0	0	0	0	0	25	0	0	25	16	0	0	0	0
Distillate Fuel Oil	45	0	0	332	0	0	2,259	0	753	1,506	707	0	0	0	0
Residual Fuel Oil	13	0	0	0	171	0	678	0	425	253	0	0	0	0	0
Petrochemical Feedstocks[1]	32	9	0	75	17	0	0	0	0	0	68	0	0	0	0
Special Naphthas	0	4	0	0	0	0	422	0	90	332	184	0	0	0	0
Lubricants	0	83	0	99	29	0	899	0	340	559	451	0	0	0	10
Waxes	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0
Asphalt and Road Oil	0	130	0	182	0	0	617	0	31	586	284	0	0	0	0
Miscellaneous Products	0	30	0	0	0	0	64	0	28	36	1	0	0	0	0
Total	**100**	**364**	**0**	**1,364**	**338**	**0**	**15,602**	**0**	**2,803**	**12,799**	**3,830**	**0**	**2,362**	**0**	**11,860**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, July 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**135**	**0**	**0**	**504**	**0**	**504**	**0**	**0**	**0**	**1,411**	**0**	**12,855**
Petroleum Products	**118**	**279**	**0**	**2,341**	**82**	**0**	**13,160**	**0**	**1,807**	**11,353**	**3,568**	**320**	**0**	**0**	**39**
Liquefied Petroleum Gases	0	0	0	0	0	0	158	0	0	158	11	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	177	0	42	135	0	156	0	0	0
Motor Gasoline Blending Components	10	48	0	0	0	0	114	0	114	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	1,486	0	0	6,881	0	109	6,772	1,755	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	739	0	0	964	0	0	964	365	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	747	0	0	5,917	0	109	5,808	1,390	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	58	0	34	24	11	69	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	311	0	0	311	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	97	0	0	1,541	0	239	1,302	234	0	0	0	0
Kerosene	0	0	0	6	0	0	14	0	0	14	0	0	0	0	0
Distillate Fuel Oil	18	0	0	327	0	0	1,908	0	511	1,397	749	0	0	0	0
Residual Fuel Oil	10	0	0	14	57	0	482	0	0	482	0	0	0	0	0
Petrochemical Feedstocks[1]	80	11	0	54	17	0	19	0	0	19	33	0	0	0	0
Special Naphthas	0	2	0	0	0	0	207	0	109	98	90	0	0	0	0
Lubricants	0	65	0	75	8	0	963	0	565	398	308	95	0	0	39
Waxes	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0
Asphalt and Road Oil	0	128	0	282	0	0	231	0	6	225	375	0	0	0	0
Miscellaneous Products	0	25	0	0	0	0	91	0	73	18	2	0	0	0	0
Total	**118**	**279**	**0**	**2,476**	**82**	**0**	**13,664**	**0**	**2,311**	**11,353**	**3,568**	**320**	**1,411**	**0**	**12,894**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**110**	**0**	**0**	**690**	**0**	**690**	**0**	**0**	**0**	**1,003**	**0**	**9,730**
Petroleum Products	**120**	**314**	**0**	**2,031**	**449**	**0**	**14,753**	**38**	**2,000**	**12,715**	**5,050**	**51**	**0**	**0**	**105**
Liquefied Petroleum Gases	0	0	0	0	9	0	142	0	0	142	10	0	0	0	0
Unfinished Oils	4	0	0	0	0	0	154	0	34	120	0	0	0	0	0
Motor Gasoline Blending Components	30	95	0	0	0	0	53	0	53	0	0	0	0	0	0
Finished Motor Gasoline	0	0	0	900	0	0	7,904	0	13	7,891	2,422	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	73	0	0	980	0	0	980	584	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	827	0	0	6,924	0	13	6,911	1,838	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	205	38	109	58	39	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	146	0	0	1,514	0	134	1,380	281	0	0	0	0
Kerosene	0	0	0	13	0	0	19	0	0	19	36	0	0	0	0
Distillate Fuel Oil	0	0	0	509	0	0	2,779	0	950	1,829	1,062	0	0	0	0
Residual Fuel Oil	0	0	0	12	413	0	276	0	0	276	0	0	0	0	0
Petrochemical Feedstocks[1]	77	0	0	33	18	0	12	0	0	12	68	0	0	0	0
Special Naphthas	0	2	0	0	0	0	264	0	108	156	142	0	0	0	0
Lubricants	9	81	0	101	9	0	1,029	0	508	521	336	51	0	0	105
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	126	0	317	0	0	324	0	13	311	654	0	0	0	0
Miscellaneous Products	0	10	0	0	0	0	78	0	78	0	0	0	0	0	0
Total	**120**	**314**	**0**	**2,141**	**449**	**0**	**15,443**	**38**	**2,690**	**12,715**	**5,050**	**51**	**1,003**	**0**	**9,835**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**117**	**0**	**0**	**473**	**0**	**473**	**0**	**0**	**0**	**1,776**	**0**	**9,483**
Petroleum Products	**167**	**339**	**0**	**1,915**	**462**	**0**	**13,214**	**58**	**1,419**	**11,737**	**4,508**	**388**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	9	0	203	0	0	203	0	0	0	0	0
Unfinished Oils	0	0	0	0	0	0	144	0	19	125	267	140	0	0	0
Motor Gasoline Blending Components	50	49	0	0	45	0	0	0	0	0	199	0	0	0	0
Finished Motor Gasoline	0	0	0	949	0	0	6,998	0	199	6,799	1,798	224	0	0	0
Finished Leaded Motor Gasoline	0	0	0	54	0	0	1,475	0	0	1,475	278	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	895	0	0	5,523	0	199	5,324	1,520	224	0	0	0
Finished Aviation Gasoline	0	0	0	0	35	0	75	15	23	37	32	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	340	0	0	340	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	72	0	0	1,636	43	67	1,526	287	0	0	0	0
Kerosene	0	0	0	102	0	0	24	0	24	0	50	0	0	0	0
Distillate Fuel Oil	37	0	0	395	0	0	1,529	0	283	1,246	960	0	0	0	0
Residual Fuel Oil	0	0	0	12	356	0	584	0	352	232	35	0	0	0	0
Petrochemical Feedstocks[1]	72	0	0	44	0	0	39	0	30	9	164	0	0	0	0
Special Naphthas	0	2	0	0	0	0	111	0	27	84	108	0	0	0	0
Lubricants	8	78	0	104	17	0	1,123	0	302	821	329	24	0	0	0
Waxes	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Asphalt and Road Oil	0	184	0	229	0	0	304	0	7	297	279	0	0	0	0
Miscellaneous Products	0	26	0	8	0	0	102	0	84	18	0	0	0	0	0
Total	**167**	**339**	**0**	**2,032**	**462**	**0**	**13,687**	**58**	**1,892**	**11,737**	**4,508**	**388**	**1,776**	**0**	**9,483**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between (Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**163**	**0**	**0**	**454**	**0**	**454**	**0**	**0**	**0**	**1,212**	**0**	**10,949**
Petroleum Products	**66**	**131**	**0**	**1,937**	**516**	**0**	**15,345**	**0**	**1,963**	**13,382**	**4,452**	**54**	**0**	**0**	**50**
Liquefied Petroleum Gases	0	0	0	0	0	0	218	0	0	218	34	0	0	0	0
Unfinished Oils	0	0	0	0	74	0	124	0	28	96	445	0	0	0	0
Motor Gasoline Blending Components	10	0	0	0	0	0	181	0	181	0	37	0	0	0	0
Finished Motor Gasoline	0	0	0	1,052	0	0	7,481	0	0	7,481	1,849	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	128	0	0	921	0	0	921	256	0	0	0	0
Finished Unleaded Motor Gasoline	0	0	0	924	0	0	6,560	0	0	6,560	1,593	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	252	0	146	106	9	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	564	0	0	564	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	122	0	0	2,110	0	235	1,875	219	0	0	0	0
Kerosene	0	0	0	99	0	0	46	0	22	24	15	0	0	0	0
Distillate Fuel Oil	0	0	0	379	0	0	2,009	0	520	1,489	863	0	0	0	0
Residual Fuel Oil	0	0	0	0	424	0	449	0	168	281	0	0	0	0	0
Petrochemical Feedstocks[1]	56	0	0	15	8	0	40	0	30	10	45	0	0	0	0
Special Naphthas	0	0	0	0	0	0	335	0	190	145	116	0	0	0	0
Lubricants	0	83	0	101	10	0	1,000	0	387	613	287	54	0	0	50
Waxes	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0
Asphalt and Road Oil	0	23	0	169	0	0	458	0	14	444	533	0	0	0	0
Miscellaneous Products	0	25	0	0	0	0	72	0	36	36	0	0	0	0	0
Total	**66**	**131**	**0**	**2,100**	**516**	**0**	**15,799**	**0**	**2,417**	**13,382**	**4,452**	**54**	**1,212**	**0**	**10,999**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, November 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**0**	**0**	**0**	**119**	**0**	**0**	**380**	**0**	**380**	**0**	**0**	**0**	**934**	**0**	**11,453**
Petroleum Products	**138**	**252**	**0**	**1,719**	**341**	**0**	**13,699**	**86**	**1,903**	**11,710**	**4,163**	**154**	**0**	**0**	**46**
Liquefied Petroleum Gases	0	0	0	0	0	0	256	0	0	256	26	0	0	0	0
Unfinished Oils	0	0	0	0	74	0	220	0	67	153	351	154	0	0	0
Motor Gasoline Blending Components	41	47	0	0	0	0	166	0	166	0	52	0	0	0	0
Finished Motor Gasoline	25	0	0	939	0	0	7,598	0	356	7,242	1,538	0	0	0	0
Finished Leaded Motor Gasoline	0	0	0	106	0	0	848	0	223	625	329	0	0	0	0
Finished Unleaded Motor Gasoline	25	0	0	833	0	0	6,750	0	133	6,617	1,209	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	87	24	22	41	0	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	74	0	0	1,818	51	199	1,568	362	0	0	0	0
Kerosene	0	0	0	28	0	0	35	11	24	0	0	0	0	0	0
Distillate Fuel Oil	9	0	0	330	0	0	1,815	0	282	1,533	965	0	0	0	0
Residual Fuel Oil	0	0	0	0	222	0	103	0	82	21	89	0	0	0	0
Petrochemical Feedstocks[1]	63	0	0	74	0	0	75	0	54	21	152	0	0	0	0
Special Naphthas	0	0	0	0	0	0	305	0	141	164	132	0	0	0	0
Lubricants	0	88	0	117	45	0	880	0	500	380	359	0	0	0	46
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	96	0	157	0	0	297	0	0	297	137	0	0	0	0
Miscellaneous Products	0	21	0	0	0	0	44	0	10	34	0	0	0	0	0
Total	**138**	**252**	**0**	**1,838**	**341**	**0**	**14,079**	**86**	**2,283**	**11,710**	**4,163**	**154**	**934**	**0**	**11,499**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 22. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, December

(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Crude Oil	**38**	**0**	**0**	**114**	**0**	**0**	**431**	**0**	**431**	**0**	**0**	**0**	**977**	**0**	**12,288**
Petroleum Products	**152**	**183**	**0**	**1,564**	**612**	**0**	**17,292**	**447**	**2,632**	**14,213**	**4,141**	**68**	**0**	**0**	**0**
Liquefied Petroleum Gases	0	0	0	0	0	0	313	0	0	313	25	0	0	0	0
Unfinished Oils	0	0	0	0	200	0	125	0	18	107	131	0	0	0	0
Motor Gasoline Blending Components	33	49	0	0	53	0	136	0	136	0	25	0	0	0	0
Finished Motor Gasoline	55	0	0	741	97	0	8,930	191	0	8,739	2,026	0	0	0	0
Finished Leaded Motor Gasoline	23	0	0	42	0	0	847	73	0	774	320	0	0	0	0
Finished Unleaded Motor Gasoline	32	0	0	699	97	0	8,083	118	0	7,965	1,706	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	0	98	0	54	44	20	0	0	0	0
Naphtha-Type Jet Fuel	0	0	0	0	0	0	345	0	0	345	0	0	0	0	0
Kerosene-Type Jet Fuel	0	0	0	75	0	0	2,257	48	350	1,859	350	0	0	0	0
Kerosene	0	0	0	45	0	0	70	0	23	47	38	0	0	0	0
Distillate Fuel Oil	21	0	0	395	0	0	3,011	208	1,074	1,729	907	0	0	0	0
Residual Fuel Oil	0	0	0	109	200	0	627	0	291	336	0	0	0	0	0
Petrochemical Feedstocks[1]	43	0	0	42	0	0	0	0	0	0	31	0	0	0	0
Special Naphthas	0	0	0	0	0	0	299	0	126	173	162	0	0	0	0
Lubricants	0	107	0	57	62	0	743	0	485	258	426	68	0	0	0
Waxes	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	100	0	0	263	0	0	263	0	0	0	0	0
Miscellaneous Products	0	27	0	0	0	0	74	0	74	0	0	0	0	0	0
Total	**190**	**183**	**0**	**1,678**	**612**	**0**	**17,723**	**447**	**3,063**	**14,213**	**4,141**	**68**	**977**	**0**	**12,288**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, January 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,846**	**0**	**1,846**	**49,043**	**3,722**	**45,321**	**19,747**	**43,829**	**-24,082**	**690**	**7,529**	**-6,839**	**0**	**16,246**	**-16,246**
Petroleum Products	**94,058**	**6,681**	**87,377**	**35,954**	**12,257**	**23,697**	**6,671**	**119,093**	**-112,422**	**2,009**	**4,174**	**-2,165**	**3,556**	**43**	**3,513**
Pentanes Plus	0	0	0	553	291	262	411	495	-84	0	178	-178	0	0	0
Liquefied Petroleum Gases	4,586	0	4,586	5,134	4,461	673	3,750	7,772	-4,022	309	1,546	-1,237	0	0	0
Unfinished Oils	172	0	172	0	0	0	0	281	-281	0	0	0	109	0	109
Blending Components															
Motor Gasoline	108	10	98	72	89	-17	0	81	-81	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	46,135	4,518	41,617	19,654	4,199	15,455	1,287	59,803	-58,516	828	1,388	-560	2,004	0	2,004
Finished Leaded Motor Gasoline	7,386	888	6,498	4,096	828	3,268	363	10,426	-10,063	144	596	-452	749	0	749
Finished Unleaded Motor Gasoline	38,749	3,630	35,119	15,558	3,371	12,187	924	49,377	-48,453	684	792	-108	1,255	0	1,255
Finished Aviation Gasoline	161	5	156	54	9	45	0	210	-210	9	0	9	0	0	0
Naphtha-Type Jet Fuel	525	0	525	74	128	-54	128	798	-670	0	240	-240	439	0	439
Kerosene-Type Jet Fuel	11,405	345	11,060	5,183	1,045	4,138	88	16,127	-16,039	717	174	543	298	0	298
Kerosene	1,191	122	1,069	122	174	-52	98	1,115	-1,017	0	0	0	0	0	0
Distillate Fuel Oil	27,156	1,593	25,563	4,680	1,386	3,294	492	29,553	-29,061	146	648	-502	706	0	706
Residual Fuel Oil	891	0	891	0	316	-316	271	846	-575	0	0	0	0	0	0
Petrochemical Feedstocks[1]	79	18	61	30	97	-67	27	21	6	0	0	0	0	0	0
Special Naphthas	258	5	253	74	0	74	5	332	-327	0	0	0	0	0	0
Lubricants	866	50	816	309	56	253	93	1,119	-1,026	0	0	0	0	43	-43
Waxes	7	0	7	0	0	0	0	7	-7	0	0	0	0	0	0
Asphalt and Road Oil	474	0	474	15	0	15	0	489	-489	0	0	0	0	0	0
Miscellaneous Products	44	15	29	0	6	-6	21	44	-23	0	0	0	0	0	0
Total	**95,904**	**6,681**	**89,223**	**84,997**	**15,979**	**69,018**	**26,418**	**162,922**	**-136,504**	**2,699**	**11,703**	**-9,004**	**3,556**	**16,289**	**-12,733**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, February 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,890**	**0**	**1,890**	**44,784**	**3,067**	**41,717**	**25,487**	**39,884**	**-14,397**	**608**	**7,836**	**-7,228**	**0**	**21,982**	**-21,982**
Petroleum Products	**92,187**	**6,645**	**85,542**	**29,839**	**10,942**	**18,897**	**6,314**	**111,639**	**-105,325**	**1,682**	**3,876**	**-2,194**	**3,080**	**0**	**3,080**
Pentanes Plus	0	0	0	606	158	448	340	550	-210	0	238	-238	0	0	0
Liquefied Petroleum Gases	4,102	0	4,102	4,631	3,778	853	3,576	7,089	-3,513	155	1,597	-1,442	0	0	0
Unfinished Oils	195	0	195	0	0	0	0	195	-195	0	0	0	0	0	0
Blending Components															
Motor Gasoline	249	108	141	50	144	-94	80	127	-47	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	44,753	4,213	40,540	17,006	3,984	13,022	1,225	56,080	-54,855	778	1,201	-423	1,716	0	1,716
Finished Leaded Motor Gasoline	6,716	983	5,733	4,090	818	3,272	312	9,623	-9,311	205	467	-262	568	0	568
Finished Unleaded Motor Gasoline	38,037	3,230	34,807	12,916	3,166	9,750	913	46,457	-45,544	573	734	-161	1,148	0	1,148
Finished Aviation Gasoline	67	0	67	95	9	86	0	162	-162	9	0	9	0	0	0
Naphtha-Type Jet Fuel	328	0	328	101	80	21	80	558	-478	0	145	-145	274	0	274
Kerosene-Type Jet Fuel	11,081	342	10,739	2,749	880	1,869	69	13,410	-13,341	597	113	484	249	0	249
Kerosene	1,288	88	1,200	88	145	-57	100	1,243	-1,143	0	0	0	0	0	0
Distillate Fuel Oil	27,596	1,797	25,799	3,809	1,080	2,729	314	29,128	-28,814	143	582	-439	725	0	725
Residual Fuel Oil	840	0	840	72	342	-270	316	886	-570	0	0	0	0	0	0
Petrochemical Feedstocks[1]	44	18	26	28	53	-25	9	10	-1	0	0	0	0	0	0
Special Naphthas	278	4	274	158	0	158	4	436	-432	0	0	0	0	0	0
Lubricants	1,021	60	961	446	264	182	179	1,438	-1,259	0	0	0	116	0	116
Waxes	9	0	9	0	0	0	0	9	-9	0	0	0	0	0	0
Asphalt and Road Oil	237	0	237	0	0	0	0	237	-237	0	0	0	0	0	0
Miscellaneous Products	99	15	84	0	25	-25	22	81	-59	0	0	0	0	0	0
Total	**94,077**	**6,645**	**87,432**	**74,623**	**14,009**	**60,614**	**31,801**	**151,523**	**-119,722**	**2,290**	**11,712**	**-9,422**	**3,080**	**21,982**	**-18,902**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, March 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,745**	**0**	**1,745**	**48,802**	**2,699**	**46,103**	**26,436**	**42,671**	**-16,235**	**689**	**9,477**	**-8,788**	**0**	**22,825**	**-22,825**
Petroleum Products	**83,020**	**7,321**	**75,699**	**34,777**	**10,863**	**23,914**	**6,945**	**107,863**	**-100,918**	**1,851**	**4,058**	**-2,207**	**3,568**	**56**	**3,512**
Pentanes Plus	0	0	0	711	272	439	433	651	-218	0	221	-221	0	0	0
Liquefied Petroleum Gases	2,896	0	2,896	4,115	3,088	1,027	3,561	5,900	-2,339	123	1,707	-1,584	0	0	0
Unfinished Oils	327	0	327	0	0	0	0	468	-468	0	0	0	141	0	141
Blending Components															
Motor Gasoline	332	180	152	45	223	-178	150	188	-38	0	0	0	64	0	64
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	45,912	4,670	41,242	19,239	4,388	14,851	1,478	59,073	-57,595	931	1,384	-453	1,955	0	1,955
Finished Leaded Motor Gasoline	7,107	987	6,120	4,170	975	3,195	424	10,056	-9,632	187	571	-384	701	0	701
Finished Unleaded Motor Gasoline	38,805	3,683	35,122	15,069	3,413	11,656	1,054	49,017	-47,963	744	813	-69	1,254	0	1,254
Finished Aviation Gasoline	138	13	125	62	9	53	0	187	-187	9	0	9	0	0	0
Naphtha-Type Jet Fuel	625	0	625	62	108	-46	108	967	-859	0	122	-122	402	0	402
Kerosene-Type Jet Fuel	10,867	281	10,586	3,328	879	2,449	80	13,875	-13,795	575	96	479	281	0	281
Kerosene	698	55	643	55	124	-69	99	673	-574	0	0	0	0	0	0
Distillate Fuel Oil	19,383	1,789	17,594	6,265	1,322	4,943	476	23,361	-22,885	213	528	-315	663	0	663
Residual Fuel Oil	537	0	537	117	263	-146	263	654	-391	0	0	0	0	0	0
Petrochemical Feedstocks[1]	31	173	-142	209	31	178	54	90	-36	0	0	0	0	0	0
Special Naphthas	185	7	178	144	12	132	18	328	-310	0	0	0	0	0	0
Lubricants	737	68	669	410	119	291	102	1,099	-997	0	0	0	62	25	37
Waxes	3	0	3	0	0	0	0	3	-3	0	0	0	0	0	0
Asphalt and Road Oil	250	64	186	15	0	15	64	265	-201	0	0	0	0	0	0
Miscellaneous Products	99	21	78	0	25	-25	59	81	-22	0	0	0	0	31	-31
Total	**84,765**	**7,321**	**77,444**	**83,579**	**13,562**	**70,017**	**33,381**	**150,534**	**-117,153**	**2,540**	**13,535**	**-10,995**	**3,568**	**22,881**	**-19,313**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,060**	**0**	**2,060**	**50,968**	**3,028**	**47,940**	**22,450**	**45,593**	**-23,143**	**623**	**8,574**	**-7,951**	**0**	**18,906**	**-18,906**
Petroleum Products	**74,787**	**7,717**	**67,070**	**35,203**	**10,966**	**24,237**	**7,190**	**99,466**	**-92,276**	**1,767**	**4,055**	**-2,288**	**3,302**	**45**	**3,257**
Pentanes Plus	0	0	0	882	224	658	372	819	-447	0	211	-211	0	0	0
Liquefied Petroleum Gases	1,715	0	1,715	3,824	3,595	229	4,156	4,472	-316	39	1,667	-1,628	0	0	0
Unfinished Oils	160	0	160	0	0	0	0	160	-160	0	0	0	0	0	0
Blending Components															
Motor Gasoline	194	215	-21	106	156	-50	176	105	71	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	44,003	5,162	38,841	17,843	4,331	13,512	1,427	55,181	-53,754	917	1,463	-546	1,947	0	1,947
Finished Leaded Motor Gasoline	7,069	1,105	5,964	4,042	920	3,122	405	9,742	-9,337	181	629	-448	699	0	699
Finished Unleaded Motor Gasoline	36,934	4,057	32,877	13,801	3,411	10,390	1,022	45,439	-44,417	736	834	-98	1,248	0	1,248
Finished Aviation Gasoline	163	11	152	172	22	150	0	324	-324	22	0	22	0	0	0
Naphtha-Type Jet Fuel	239	0	239	43	0	43	0	564	-564	0	140	-140	422	0	422
Kerosene-Type Jet Fuel	10,281	230	10,051	3,034	961	2,073	190	13,022	-12,832	555	61	494	214	0	214
Kerosene	356	0	356	0	111	-111	100	345	-245	0	0	0	0	0	0
Distillate Fuel Oil	15,152	1,879	13,273	8,186	1,251	6,935	384	21,020	-20,636	234	513	-279	707	0	707
Residual Fuel Oil	742	0	742	218	163	55	130	927	-797	0	0	0	0	0	0
Petrochemical Feedstocks[1]	22	44	-22	98	30	68	8	54	-46	0	0	0	0	0	0
Special Naphthas	301	5	296	150	1	149	6	451	-445	0	0	0	0	0	0
Lubricants	970	93	877	317	99	218	155	1,217	-1,062	0	0	0	12	45	-33
Waxes	11	0	11	0	0	0	0	11	-11	0	0	0	0	0	0
Asphalt and Road Oil	402	63	339	330	14	316	63	718	-655	0	0	0	0	0	0
Miscellaneous Products	76	15	61	0	8	-8	23	76	-53	0	0	0	0	0	0
Total	**76,847**	**7,717**	**69,130**	**86,171**	**13,994**	**72,177**	**29,640**	**145,059**	**-115,419**	**2,390**	**12,629**	**-10,239**	**3,302**	**18,951**	**-15,649**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, May 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**658**	**0**	**658**	**53,889**	**3,341**	**50,548**	**25,145**	**49,175**	**-24,030**	**820**	**8,112**	**-7,292**	**0**	**19,884**	**-19,884**
Petroleum Products	**81,284**	**7,565**	**73,719**	**34,287**	**11,820**	**22,467**	**7,795**	**105,131**	**-97,336**	**1,748**	**4,436**	**-2,688**	**3,878**	**40**	**3,838**
Pentanes Plus	0	0	0	658	277	381	406	602	-196	0	185	-185	0	0	0
Liquefied Petroleum Gases	1,526	9	1,517	3,121	3,572	-451	4,148	3,399	749	40	1,855	-1,815	0	0	0
Unfinished Oils	162	0	162	0	0	0	0	312	-312	0	0	0	150	0	150
Blending Components															
Motor Gasoline	295	59	236	19	185	-166	102	232	-130	0	0	0	60	0	60
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	48,126	4,928	43,198	19,564	4,595	14,969	1,579	61,562	-59,983	931	1,501	-570	2,386	0	2,386
Finished Leaded Motor Gasoline	7,483	1,069	6,414	4,301	966	3,335	430	10,654	-10,224	189	591	-402	877	0	877
Finished Unleaded Motor Gasoline	40,643	3,859	36,784	15,263	3,629	11,634	1,149	50,908	-49,759	742	910	-168	1,509	0	1,509
Finished Aviation Gasoline	205	0	205	132	18	114	0	337	-337	18	0	18	0	0	0
Naphtha-Type Jet Fuel	515	0	515	109	84	25	84	791	-707	0	199	-199	366	0	366
Kerosene-Type Jet Fuel	9,637	195	9,442	2,534	886	1,648	132	11,888	-11,756	542	58	484	182	0	182
Kerosene	107	7	100	7	234	-227	230	103	127	0	0	0	0	0	0
Distillate Fuel Oil	17,064	2,091	14,973	7,192	1,364	5,828	544	21,658	-21,114	217	638	-421	734	0	734
Residual Fuel Oil	826	0	826	0	290	-290	289	825	-536	0	0	0	0	0	0
Petrochemical Feedstocks[1]	60	131	-71	106	60	46	50	25	25	0	0	0	0	0	0
Special Naphthas	283	3	280	147	0	147	3	430	-427	0	0	0	0	0	0
Lubricants	1,772	110	1,662	466	139	327	196	2,145	-1,949	0	0	0	0	40	-40
Waxes	12	0	12	10	0	10	0	22	-22	0	0	0	0	0	0
Asphalt and Road Oil	621	0	621	212	106	106	0	727	-727	0	0	0	0	0	0
Miscellaneous Products	73	32	41	10	10	0	32	73	-41	0	0	0	0	0	0
Total	**81,942**	**7,565**	**74,377**	**88,176**	**15,161**	**73,015**	**32,940**	**154,306**	**-121,366**	**2,568**	**12,548**	**-9,980**	**3,878**	**19,924**	**-16,046**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, June 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,822**	**0**	**2,822**	**53,202**	**3,256**	**49,946**	**20,368**	**48,170**	**-27,802**	**767**	**8,322**	**-7,555**	**0**	**17,411**	**-17,411**
Petroleum Products	**77,860**	**7,486**	**70,374**	**31,131**	**10,769**	**20,362**	**7,633**	**99,026**	**-91,393**	**1,765**	**4,302**	**-2,537**	**3,204**	**10**	**3,194**
Pentanes Plus	0	0	0	765	202	563	354	695	-341	0	222	-222	0	0	0
Liquefied Petroleum Gases	1,726	0	1,726	2,877	3,761	-884	4,575	3,487	1,088	18	1,948	-1,930	0	0	0
Unfinished Oils	162	0	162	0	0	0	0	162	-162	0	0	0	0	0	0
Blending Components															
Motor Gasoline	153	118	35	10	90	-80	108	63	45	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	46,199	4,892	41,307	16,906	3,794	13,112	1,142	56,984	-55,842	996	1,496	-500	1,923	0	1,923
Finished Leaded Motor Gasoline	7,121	1,169	5,952	4,184	687	3,497	289	10,007	-9,718	220	653	-433	702	0	702
Finished Unleaded Motor Gasoline	39,078	3,723	35,355	12,722	3,107	9,615	853	46,977	-46,124	776	843	-67	1,221	0	1,221
Finished Aviation Gasoline	198	13	185	165	18	147	0	350	-350	18	0	18	0	0	0
Naphtha-Type Jet Fuel	667	0	667	33	86	-53	86	970	-884	0	135	-135	405	0	405
Kerosene-Type Jet Fuel	9,374	219	9,155	2,778	991	1,787	248	11,856	-11,608	513	45	468	198	0	198
Kerosene	44	1	43	17	100	-83	100	60	40	0	0	0	0	0	0
Distillate Fuel Oil	16,298	1,942	14,356	6,547	1,144	5,403	527	20,728	-20,201	220	456	-236	678	0	678
Residual Fuel Oil	678	13	665	13	171	-158	171	678	-507	0	0	0	0	0	0
Petrochemical Feedstocks[1]	75	41	34	100	92	8	26	68	-42	0	0	0	0	0	0
Special Naphthas	422	4	418	184	0	184	4	606	-602	0	0	0	0	0	0
Lubricants	998	83	915	451	128	323	122	1,350	-1,228	0	0	0	0	10	-10
Waxes	3	0	3	0	0	0	0	3	-3	0	0	0	0	0	0
Asphalt and Road Oil	799	130	669	284	182	102	130	901	-771	0	0	0	0	0	0
Miscellaneous Products	64	30	34	1	10	-9	40	65	-25	0	0	0	0	0	0
Total	**80,682**	**7,486**	**73,196**	**84,333**	**14,025**	**70,308**	**28,001**	**147,196**	**-119,195**	**2,532**	**12,624**	**-10,092**	**3,204**	**17,421**	**-14,217**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, July 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,050**	**0**	**2,050**	**52,263**	**3,476**	**48,787**	**19,774**	**47,978**	**-28,204**	**831**	**6,635**	**-5,804**	**0**	**16,829**	**-16,829**
Petroleum Products	**79,492**	**8,238**	**71,254**	**35,841**	**10,900**	**24,941**	**6,232**	**103,649**	**-97,417**	**1,915**	**4,353**	**-2,438**	**3,699**	**39**	**3,660**
Pentanes Plus	0	0	0	963	138	825	270	891	-621	0	204	-204	0	0	0
Liquefied Petroleum Gases	1,932	0	1,932	3,102	2,433	669	3,071	3,908	-837	30	1,794	-1,764	0	0	0
Unfinished Oils	177	0	177	0	0	0	0	333	-333	0	0	0	156	0	156
Blending Components															
Motor Gasoline	290	58	232	10	176	-166	48	114	-66	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	47,944	5,718	42,226	21,026	5,324	15,702	1,658	61,244	-59,586	1,155	1,532	-377	2,035	0	2,035
Finished Leaded Motor Gasoline	7,937	1,254	6,683	4,332	1,504	2,828	394	10,217	-9,823	262	643	-381	693	0	693
Finished Unleaded Motor Gasoline	40,007	4,464	35,543	16,694	3,820	12,874	1,264	51,027	-49,763	893	889	4	1,342	0	1,342
Finished Aviation Gasoline	96	5	91	113	18	95	0	273	-273	18	0	18	69	0	69
Naphtha-Type Jet Fuel	468	0	468	26	83	-57	83	709	-626	0	127	-127	342	0	342
Kerosene-Type Jet Fuel	9,709	219	9,490	3,192	852	2,340	119	12,587	-12,468	487	99	388	250	0	250
Kerosene	268	7	261	7	156	-149	150	262	-112	0	0	0	0	0	0
Distillate Fuel Oil	16,185	1,910	14,275	6,504	1,204	5,300	472	20,427	-19,955	225	597	-372	752	0	752
Residual Fuel Oil	496	10	486	10	71	-61	57	482	-425	0	0	0	0	0	0
Petrochemical Feedstocks[1]	73	91	-18	113	71	42	28	52	-24	0	0	0	0	0	0
Special Naphthas	207	2	205	90	0	90	2	297	-295	0	0	0	0	0	0
Lubricants	1,038	65	973	308	83	225	112	1,366	-1,254	0	0	0	95	39	56
Waxes	5	0	5	0	0	0	0	5	-5	0	0	0	0	0	0
Asphalt and Road Oil	513	128	385	375	282	93	128	606	-478	0	0	0	0	0	0
Miscellaneous Products	91	25	66	2	9	-7	34	93	-59	0	0	0	0	0	0
Total	**81,542**	**8,238**	**73,304**	**88,104**	**14,376**	**73,728**	**26,006**	**151,627**	**-125,621**	**2,746**	**10,988**	**-8,242**	**3,699**	**16,868**	**-13,169**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, August 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,803**	**0**	**1,803**	**49,690**	**3,475**	**46,215**	**17,467**	**45,329**	**-27,862**	**783**	**7,052**	**-6,269**	**0**	**13,887**	**-13,887**
Petroleum Products	**82,372**	**7,502**	**74,870**	**38,547**	**11,281**	**27,266**	**7,076**	**110,173**	**-103,097**	**2,144**	**4,160**	**-2,016**	**3,082**	**105**	**2,977**
Pentanes Plus	0	0	0	560	108	452	214	486	-272	0	180	-180	0	0	0
Liquefied Petroleum Gases	2,564	0	2,564	3,297	3,088	209	3,577	4,585	-1,008	36	1,801	-1,765	0	0	0
Unfinished Oils	154	4	150	4	0	4	0	154	-154	0	0	0	0	0	0
Blending Components															
Motor Gasoline	159	125	34	30	106	-76	95	53	42	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	45,841	5,046	40,795	23,164	4,406	18,758	1,502	62,703	-61,201	1,238	1,314	-76	1,724	0	1,724
Finished Leaded Motor Gasoline	6,533	1,079	5,454	4,661	736	3,925	355	10,014	-9,659	276	606	-330	610	0	610
Finished Unleaded Motor Gasoline	39,308	3,967	35,341	18,503	3,670	14,833	1,147	52,689	-51,542	962	708	254	1,114	0	1,114
Finished Aviation Gasoline	250	7	243	152	26	126	0	395	-395	26	0	26	0	0	0
Naphtha-Type Jet Fuel	268	0	268	25	46	-21	46	537	-491	0	117	-117	361	0	361
Kerosene-Type Jet Fuel	9,854	214	9,640	3,292	1,088	2,204	272	12,850	-12,578	606	57	549	185	0	185
Kerosene	382	0	382	36	163	-127	150	405	-255	0	0	0	0	0	0
Distillate Fuel Oil	20,454	1,801	18,653	6,701	1,337	5,364	446	24,771	-24,325	238	691	-453	761	0	761
Residual Fuel Oil	288	0	288	0	425	-425	413	276	137	0	0	0	0	0	0
Petrochemical Feedstocks[1]	45	77	-32	145	51	94	18	80	-62	0	0	0	0	0	0
Special Naphthas	264	2	262	142	0	142	2	406	-404	0	0	0	0	0	0
Lubricants	1,130	90	1,040	345	110	235	195	1,416	-1,221	0	0	0	51	105	-54
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	641	126	515	654	317	337	126	978	-852	0	0	0	0	0	0
Miscellaneous Products	78	10	68	0	10	-10	20	78	-58	0	0	0	0	0	0
Total	**84,175**	**7,502**	**76,673**	**88,237**	**14,756**	**73,481**	**24,543**	**155,502**	**-130,959**	**2,927**	**11,212**	**-8,285**	**3,082**	**13,992**	**-10,910**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, September 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**2,366**	**0**	**2,366**	**48,301**	**3,218**	**45,083**	**17,666**	**44,079**	**-26,413**	**617**	**7,224**	**-6,607**	**0**	**14,429**	**-14,429**
Petroleum Products	**76,145**	**7,505**	**68,640**	**37,015**	**10,882**	**26,133**	**7,271**	**103,066**	**-95,795**	**1,974**	**4,148**	**-2,174**	**3,196**	**0**	**3,196**
Pentanes Plus	0	0	0	812	243	569	326	742	-416	0	153	-153	0	0	0
Liquefied Petroleum Gases	2,514	0	2,514	4,508	2,970	1,538	3,909	6,013	-2,104	81	2,029	-1,948	0	0	0
Unfinished Oils	144	0	144	267	0	267	0	551	-551	0	0	0	140	0	140
Blending Components															
Motor Gasoline	132	99	33	249	177	72	94	199	-105	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	43,448	4,837	38,611	19,784	4,281	15,503	1,451	57,371	-55,920	1,117	1,206	-89	1,895	0	1,895
Finished Leaded Motor Gasoline	5,754	799	4,955	3,259	707	2,552	339	8,213	-7,874	244	496	-252	619	0	619
Finished Unleaded Motor Gasoline	37,694	4,038	33,656	16,525	3,574	12,951	1,112	49,158	-48,046	873	710	163	1,276	0	1,276
Finished Aviation Gasoline	95	0	95	124	49	75	35	219	-184	14	0	14	0	0	0
Naphtha-Type Jet Fuel	506	0	506	50	55	-5	55	685	-630	0	158	-158	287	0	287
Kerosene-Type Jet Fuel	9,871	280	9,591	3,672	904	2,768	147	13,184	-13,037	550	86	464	214	0	214
Kerosene	255	28	227	78	236	-158	134	203	-69	0	0	0	0	0	0
Distillate Fuel Oil	16,518	1,891	14,627	6,476	1,186	5,290	446	20,695	-20,249	212	516	-304	636	0	636
Residual Fuel Oil	596	0	596	35	368	-333	356	619	-263	0	0	0	0	0	0
Petrochemical Feedstocks[1]	83	72	11	236	44	192	0	203	-203	0	0	0	0	0	0
Special Naphthas	111	2	109	108	0	108	2	219	-217	0	0	0	0	0	0
Lubricants	1,227	86	1,141	337	121	216	95	1,476	-1,381	0	0	0	24	0	24
Waxes	2	0	2	0	0	0	0	2	-2	0	0	0	0	0	0
Asphalt and Road Oil	533	184	349	279	229	50	184	583	-399	0	0	0	0	0	0
Miscellaneous Products	110	26	84	0	19	-19	37	102	-65	0	0	0	0	0	0
Total	**78,511**	**7,505**	**71,006**	**85,316**	**14,100**	**71,216**	**24,937**	**147,145**	**-122,208**	**2,591**	**11,372**	**-8,781**	**3,196**	**14,429**	**-11,233**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, October 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,849**	**0**	**1,849**	**52,794**	**3,402**	**49,392**	**19,200**	**48,498**	**-29,298**	**575**	**7,285**	**-6,710**	**0**	**15,233**	**-15,233**
Petroleum Products	**80,722**	**7,292**	**73,430**	**37,473**	**11,031**	**26,442**	**7,341**	**107,648**	**-100,307**	**1,794**	**4,084**	**-2,290**	**2,775**	**50**	**2,725**
Pentanes Plus	0	0	0	875	156	719	263	815	-552	0	167	-167	0	0	0
Liquefied Petroleum Gases	3,132	0	3,132	3,582	3,049	533	4,011	5,588	-1,577	73	2,161	-2,088	0	0	0
Unfinished Oils	124	0	124	445	74	371	74	569	-495	0	0	0	0	0	0
Blending Components															
Motor Gasoline	274	10	264	47	93	-46	0	218	-218	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	44,424	4,425	39,999	18,993	4,434	14,559	1,418	57,424	-56,006	982	1,172	-190	1,638	0	1,638
Finished Leaded Motor Gasoline	5,282	887	4,395	2,998	730	2,268	302	7,266	-6,964	209	420	-211	512	0	512
Finished Unleaded Motor Gasoline	39,142	3,538	35,604	15,995	3,704	12,291	1,116	50,158	-49,042	773	752	21	1,126	0	1,126
Finished Aviation Gasoline	294	6	288	113	17	96	0	401	-401	17	0	17	0	0	0
Naphtha-Type Jet Fuel	785	0	785	25	148	-123	148	1,013	-865	0	93	-93	296	0	296
Kerosene-Type Jet Fuel	11,433	394	11,039	4,014	927	3,087	192	14,974	-14,782	497	93	404	252	0	252
Kerosene	556	58	498	73	271	-198	172	472	-300	0	0	0	0	0	0
Distillate Fuel Oil	17,055	2,212	14,843	8,269	1,126	7,143	431	22,779	-22,348	225	398	-173	535	0	535
Residual Fuel Oil	449	0	449	0	424	-424	424	449	-25	0	0	0	0	0	0
Petrochemical Feedstocks[1]	55	56	-1	101	23	78	8	85	-77	0	0	0	0	0	0
Special Naphthas	335	0	335	116	0	116	0	451	-451	0	0	0	0	0	0
Lubricants	1,101	83	1,018	287	111	176	143	1,341	-1,198	0	0	0	54	50	4
Waxes	6	0	6	0	0	0	0	6	-6	0	0	0	0	0	0
Asphalt and Road Oil	627	23	604	533	169	364	23	991	-968	0	0	0	0	0	0
Miscellaneous Products	72	25	47	0	9	-9	34	72	-38	0	0	0	0	0	0
Total	**82,571**	**7,292**	**75,279**	**90,267**	**14,433**	**75,834**	**26,541**	**156,146**	**-129,605**	**2,369**	**11,369**	**-9,000**	**2,775**	**15,283**	**-12,508**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, November 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,433**	**0**	**1,433**	**54,014**	**3,375**	**50,639**	**19,316**	**48,493**	**-29,177**	**694**	**8,063**	**-7,369**	**0**	**15,526**	**-15,526**
Petroleum Products	**81,180**	**7,749**	**73,431**	**36,173**	**9,822**	**26,351**	**6,493**	**106,737**	**-100,244**	**1,449**	**4,326**	**-2,877**	**3,385**	**46**	**3,339**
Pentanes Plus	0	0	0	765	135	630	240	718	-478	0	152	-152	0	0	0
Liquefied Petroleum Gases	3,192	0	3,192	5,168	2,734	2,434	3,424	7,099	-3,675	41	1,992	-1,951	0	0	0
Unfinished Oils	220	0	220	351	74	277	74	725	-651	0	0	0	154	0	154
Blending Components															
Motor Gasoline	294	88	206	93	128	-35	47	218	-171	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	44,679	4,759	39,920	17,027	4,136	12,891	1,540	55,634	-54,094	726	1,508	-782	2,065	0	2,065
Finished Leaded Motor Gasoline	5,061	795	4,266	2,513	681	1,832	388	6,802	-6,414	160	536	-376	692	0	692
Finished Unleaded Motor Gasoline	39,618	3,964	35,654	14,514	3,455	11,059	1,152	48,832	-47,680	566	972	-406	1,373	0	1,373
Finished Aviation Gasoline	149	20	129	118	17	101	0	247	-247	17	0	17	0	0	0
Naphtha-Type Jet Fuel	207	0	207	25	86	-61	86	471	-385	0	115	-115	354	0	354
Kerosene-Type Jet Fuel	12,185	449	11,736	3,930	806	3,124	97	15,609	-15,512	513	66	447	205	0	205
Kerosene	583	34	549	34	172	-138	144	555	-411	0	0	0	0	0	0
Distillate Fuel Oil	17,619	2,131	15,488	7,730	910	6,820	314	22,888	-22,574	152	493	-341	607	0	607
Residual Fuel Oil	103	0	103	89	222	-133	222	192	30	0	0	0	0	0	0
Petrochemical Feedstocks[1]	149	63	86	215	74	141	0	227	-227	0	0	0	0	0	0
Special Naphthas	305	0	305	132	0	132	0	437	-437	0	0	0	0	0	0
Lubricants	997	88	909	359	162	197	179	1,239	-1,060	0	0	0	0	46	-46
Waxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	454	96	358	137	157	-20	96	434	-338	0	0	0	0	0	0
Miscellaneous Products	44	21	23	0	9	-9	30	44	-14	0	0	0	0	0	0
Total	**82,613**	**7,749**	**74,864**	**90,187**	**13,197**	**76,990**	**25,809**	**155,230**	**-129,421**	**2,143**	**12,389**	**-10,246**	**3,385**	**15,572**	**-12,187**

[1] Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 23. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II			PAD District III			PAD District IV			PAD District V		
	Receipts into PADD I	Shipments from PADD I	Net Receipts PADD I	Receipts into PADD II	Shipments from PADD II	Net Receipts PADD II	Receipts into PADD III	Shipments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Shipments from PADD IV	Net Receipts PADD IV	Receipts into PADD V	Shipments from PADD V	Net Receipts PADD V
Crude Oil	**1,522**	**38**	**1,484**	**53,615**	**3,326**	**50,289**	**20,182**	**49,119**	**-28,937**	**618**	**6,897**	**-6,279**	**0**	**16,557**	**-16,557**
Petroleum Products	**95,108**	**7,405**	**87,703**	**34,699**	**11,982**	**22,717**	**7,739**	**119,086**	**-111,347**	**1,627**	**4,081**	**-2,454**	**3,381**	**0**	**3,381**
Pentanes Plus	0	0	0	644	168	476	271	597	-326	0	150	-150	0	0	0
Liquefied Petroleum Gases	4,385	0	4,385	5,225	4,175	1,050	4,093	7,933	-3,840	219	1,814	-1,595	0	0	0
Unfinished Oils	125	0	125	131	200	-69	200	256	-56	0	0	0	0	0	0
Blending Components															
Motor Gasoline	222	82	140	58	139	-81	102	161	-59	0	0	0	0	0	0
Aviation Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	51,301	4,688	46,613	17,401	4,597	12,804	1,923	62,786	-60,863	778	1,273	-495	1,941	0	1,941
Finished Leaded Motor Gasoline	5,362	931	4,431	3,308	666	2,642	411	7,749	-7,338	116	515	-399	664	0	664
Finished Unleaded Motor Gasoline	45,939	3 757	42,182	14,093	3,931	10,162	1,512	55,037	-53,525	662	758	-96	1,277	0	1,277
Finished Aviation Gasoline	117	0	117	113	14	99	0	230	-230	14	0	14	0	0	0
Naphtha-Type Jet Fuel	582	0	582	41	0	41	0	843	-843	0	110	-110	330	0	330
Kerosene-Type Jet Fuel	11,055	435	10,620	3,801	886	2,915	217	14,342	-14,125	498	116	382	208	0	208
Kerosene	1,060	76	984	114	206	-92	161	1,053	-892	0	0	0	0	0	0
Distillate Fuel Oil	23,946	1,947	21,999	6,509	1,018	5,491	367	28,191	-27,824	118	618	-500	834	0	834
Residual Fuel Oil	736	0	736	0	309	-309	200	627	-427	0	0	0	0	0	0
Petrochemical Feedstocks[1]	42	43	-1	74	42	32	0	31	-31	0	0	0	0	0	0
Special Naphthas	299	0	299	162	0	162	0	461	-461	0	0	0	0	0	0
Lubricants	800	107	693	426	119	307	169	1,237	-1,068	0	0	0	68	0	68
Waxes	1	0	1	0	0	0	0	1	-1	0	0	0	0	0	0
Asphalt and Road Oil	363	0	363	0	100	-100	0	263	-263	0	0	0	0	0	0
Miscellaneous Products	74	27	47	0	9	-9	36	74	-38	0	0	0	0	0	0
Total	**96,630**	**7,443**	**89,187**	**88,314**	**15,308**	**73,006**	**27,921**	**168,205**	**-140,284**	**2,245**	**10,978**	**-8,733**	**3,381**	**16,557**	**-13,176**

1 Includes naphtha less than 400 degrees F endpoint and other oils equal to or greater than 400 degrees F endpoint.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, January 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**5,806**	**112**	**5,918**	**2,027**	**262**	**142**	**2,431**	**279**	**5,366**	**4,282**	**304**	**11**	**10,242**	**313**	**12,164**	**31,068**
0.00 to 0.30% Sulfur	832	13	845	44	0	0	44	124	498	644	71	5	1,342	55	1,084	3,370
0.31 to 1.00% Sulfur	4,095	99	4,194	544	0	85	629	25	1,431	258	192	6	1,912	3	1,001	7,739
Greater Than 1.00% Sulfur	879	0	879	1,439	262	57	1,758	130	3,437	3,380	41	0	6,988	255	10,079	19,959

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, February 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**5,013**	**90**	**5,103**	**1,828**	**242**	**142**	**2,212**	**232**	**4,780**	**4,038**	**288**	**10**	**9,348**	**327**	**11,831**	**28,821**
0.00 to 0.30% Sulfur	1,157	16	1,173	45	0	0	45	61	0	723	74	4	862	101	1,143	3,324
0.31 to 1.00% Sulfur	3,231	0	3,231	416	0	86	502	57	740	250	177	6	1,230	–7	999	5,955
Greater Than 1.00% Sulfur	625	74	699	1,367	242	56	1,665	114	4,040	3,065	37	0	7,256	233	9,689	19,542

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, March 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,910**	**101**	**4,011**	**1,718**	**195**	**111**	**2,024**	**258**	**5,429**	**4,350**	**325**	**13**	**10,375**	**324**	**12,656**	**29,390**
0.00 to 0.30% Sulfur	705	14	719	62	0	0	62	63	0	806	78	5	952	31	1,237	3,001
0.31 to 1.00% Sulfur	2,708	0	2,708	482	0	60	542	63	782	415	190	8	1,458	25	1,370	6,103
Greater Than 1.00% Sulfur	497	87	584	1,174	195	51	1,420	132	4,647	3,129	57	0	7,965	268	10,049	20,286

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, April 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,925**	**45**	**3,970**	**1,683**	**245**	**121**	**2,049**	**255**	**5,762**	**4,026**	**217**	**13**	**10,273**	**336**	**12,164**	**28,792**
0.00 to 0.30% Sulfur	1,162	13	1,175	33	0	0	33	71	0	826	63	5	965	67	927	3,167
0.31 to 1.00% Sulfur	2,333	0	2,333	331	0	76	407	53	931	442	89	8	1,523	24	1,446	5,733
Greater Than 1.00% Sulfur	430	32	462	1,319	245	45	1,609	131	4,831	2,758	65	0	7,785	245	9,791	19,892

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, May 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,875**	**69**	**3,944**	**1,538**	**287**	**140**	**1,965**	**237**	**5,567**	**3,872**	**276**	**13**	**9,965**	**417**	**10,432**	**26,723**
0.00 to 0.30% Sulfur	905	20	925	44	0	0	44	69	0	671	80	4	824	123	968	2,884
0.31 to 1.00% Sulfur	2,568	0	2,568	378	22	83	483	59	868	595	150	9	1,681	30	1,262	6,024
Greater Than 1.00% Sulfur	402	49	451	1,116	265	57	1,438	109	4,699	2,606	46	0	7,460	264	8,202	17,815

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, June 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,766**	**62**	**3,828**	**1,474**	**255**	**122**	**1,851**	**210**	**5,011**	**4,617**	**271**	**13**	**10,122**	**286**	**10,311**	**26,398**
0.00 to 0.30% Sulfur	937	10	947	37	0	0	37	78	0	699	73	5	855	37	952	2,828
0.31 to 1.00% Sulfur	2,207	0	2,207	229	0	66	295	53	695	553	140	8	1,449	36	989	4,976
Greater Than 1.00% Sulfur	622	52	674	1,208	255	56	1,519	79	4,316	3,365	58	0	7,818	213	8,370	18,594

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, July 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,265**	**53**	**4,318**	**1,566**	**241**	**119**	**1,926**	**235**	**5,255**	**4,915**	**305**	**17**	**10,727**	**284**	**10,841**	**28,096**
0.00 to 0.30% Sulfur	908	19	927	26	0	0	26	84	47	700	69	9	909	46	1,007	2,915
0.31 to 1.00% Sulfur	2,194	0	2,194	209	0	63	272	59	1,338	577	176	8	2,158	28	1,016	5,668
Greater Than 1.00% Sulfur	1,163	34	1,197	1,331	241	56	1,628	92	3,870	3,638	60	0	7,660	210	8,818	19,513

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, August 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,792**	**45**	**3,837**	**1,641**	**222**	**151**	**2,014**	**240**	**4,772**	**4,081**	**251**	**14**	**9,358**	**318**	**11,331**	**26,858**
0.00 to 0.30% Sulfur	510	7	517	35	0	0	35	78	43	830	71	3	1,025	53	1,028	2,658
0.31 to 1.00% Sulfur	2,181	0	2,181	178	0	82	260	49	1,290	542	128	11	2,020	28	1,498	5,987
Greater Than 1.00% Sulfur	1,101	38	1,139	1,428	222	69	1,719	113	3,439	2,709	52	0	6,313	237	8,805	18,213

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, September 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,102**	**47**	**4,149**	**1,416**	**248**	**162**	**1,826**	**203**	**4,918**	**3,063**	**247**	**13**	**8,444**	**326**	**10,804**	**25,549**
0.00 to 0.30% Sulfur	757	16	773	46	0	0	46	61	26	699	55	5	846	79	992	2,736
0.31 to 1.00% Sulfur	2,205	0	2,205	237	0	93	330	37	936	374	145	8	1,500	2	2,097	6,134
Greater Than 1.00% Sulfur	1,140	31	1,171	1,133	248	69	1,450	105	3,956	1,990	47	0	6,098	245	7,715	16,679

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, October 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**4,149**	**83**	**4,232**	**1,632**	**242**	**193**	**2,067**	**206**	**5,684**	**2,243**	**245**	**12**	**8,390**	**342**	**11,382**	**26,413**
0.00 to 0.30% Sulfur	1,377	11	1,388	79	0	0	79	61	49	698	73	5	886	63	998	3,414
0.31 to 1.00% Sulfur	1,742	0	1,742	369	0	98	467	58	359	319	132	7	875	70	2,271	5,425
Greater Than 1.00% Sulfur	1,030	72	1,102	1,184	242	95	1,521	87	5,276	1,226	40	0	6,629	209	8,113	17,574

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, November 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**3,708**	**107**	**3,815**	**2,028**	**262**	**199**	**2,489**	**254**	**5,653**	**2,618**	**356**	**15**	**8,896**	**357**	**11,937**	**27,494**
0.00 to 0.30% Sulfur	1,019	20	1,039	55	0	0	55	101	43	753	73	7	977	36	1,143	3,250
0.31 to 1.00% Sulfur	1,710	87	1,797	389	0	86	475	67	377	467	234	8	1,153	74	1,937	5,436
Greater Than 1.00% Sulfur	979	0	979	1,584	262	113	1,959	86	5,233	1,398	49	0	6,766	247	8,857	18,808

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 24. Production of Residual Fuel Oil by Sulfur Content by PAD District, December 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil	**5,337**	**126**	**5,463**	**2,552**	**489**	**308**	**3,349**	**334**	**6,909**	**4,131**	**314**	**9**	**11,697**	**381**	**12,242**	**33,132**
0.00 to 0.30% Sulfur	920	21	941	73	0	0	73	120	1	513	71	4	709	55	911	2,689
0.31 to 1.00% Sulfur	2,533	105	2,638	449	0	107	556	125	583	452	175	5	1,340	41	1,923	6,498
Greater Than 1.00% Sulfur	1,884	0	1,884	2,030	489	201	2,720	89	6,325	3,166	68	0	9,648	285	9,408	23,945

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, January 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil – 0.00 to 0.30% Sulfur																
Refinery	587	50	637	19	0	0	19	46	258	772	6	13	1,095	49	500	2,300
Bulk Terminal	--	--	3,617	--	--	--	187	--	--	--	--	--	181	0	0	3,985
Total	--	--	**4,254**	--	--	--	**206**	--	--	--	--	--	**1,276**	**49**	**500**	**6,285**
Residual Fuel Oil – 0.31 to 1.00% Sulfur																
Refinery	1,452	33	1,485	443	4	35	482	17	778	128	100	8	1,031	21	738	3,757
Bulk Terminal	--	--	6,152	--	--	--	305	--	--	--	--	--	3,731	0	276	10,464
Total	--	--	**7,637**	--	--	--	**787**	--	--	--	--	--	**4,762**	**21**	**1,014**	**14,221**
Residual Fuel Oil – Greater than 1.00% Sulfur																
Refinery	1,321	0	1,321	1,183	258	87	1,528	119	2,839	2,075	75	0	5,108	264	4,586	12,807
Bulk Terminal	--	--	6,407	--	--	--	702	--	--	--	--	--	3,302	0	2,057	12,468
Total	--	--	**7,728**	--	--	--	**2,230**	--	--	--	--	--	**8,410**	**264**	**6,643**	**25,275**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, February 29, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil – 0.00 to 0.30% Sulfur																
Refinery	692	43	735	14	0	0	14	28	62	707	3	6	806	91	491	2,137
Bulk Terminal	--	--	3,527	--	--	--	218	--	--	--	--	--	127	0	0	3,872
Total	--	--	**4,262**	--	--	--	**232**	--	--	--	--	--	**933**	**91**	**491**	**6,009**
Residual Fuel Oil – 0.31 to 1.00% Sulfur																
Refinery	1,683	0	1,683	350	0	33	383	13	576	144	96	8	837	17	576	3,496
Bulk Terminal	--	--	6,045	--	--	--	200	--	--	--	--	--	3,286	0	326	9,857
Total	--	--	**7,728**	--	--	--	**583**	--	--	--	--	--	**4,123**	**17**	**902**	**13,353**
Residual Fuel Oil – Greater than 1.00% Sulfur																
Refinery	890	15	905	1,360	254	93	1,707	166	3,481	2,310	66	0	6,023	254	4,412	13,301
Bulk Terminal	--	--	6,821	--	--	--	556	--	--	--	--	--	3,318	0	1,599	12,294
Total	--	--	**7,726**	--	--	--	**2,263**	--	--	--	--	--	**9,341**	**254**	**6,011**	**25,595**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, March 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	229	44	273	40	0	0	40	50	0	1,001	4	2	1,057	67	619	2,056
Bulk Terminal	--	--	3,373	--	--	--	174	--	--	--	--	--	104	0	0	3,651
Total	--	--	**3,646**	--	--	--	**214**	--	--	--	--	--	**1,161**	**67**	**619**	**5,707**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,324	0	1,324	336	0	36	372	25	704	221	158	8	1,116	38	750	3,600
Bulk Terminal	--	--	5,183	--	--	--	227	--	--	--	--	--	3,325	0	591	9,326
Total	--	--	**6,507**	--	--	--	**599**	--	--	--	--	--	**4,441**	**38**	**1,341**	**12,926**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	983	27	1,010	1,157	267	109	1,533	154	3,492	1,907	58	0	5,611	256	4,859	13,269
Bulk Terminal	--	--	6,614	--	--	--	536	--	--	--	--	--	2,946	0	1,648	11,744
Total	--	--	**7,624**	--	--	--	**2,069**	--	--	--	--	--	**8,557**	**256**	**6,507**	**25,013**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, April 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	119	55	174	38	0	0	38	73	0	1,176	5	3	1,257	69	615	2,153
Bulk Terminal	--	--	2,894	--	--	--	140	--	--	--	--	--	428	0	0	3,462
Total	--	--	**3,068**	--	--	--	**178**	--	--	--	--	--	**1,685**	**69**	**615**	**5,615**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,308	0	1,308	313	0	38	351	22	925	183	83	7	1,220	54	856	3,789
Bulk Terminal	--	--	4,600	--	--	--	233	--	--	--	--	--	3,690	0	365	8,888
Total	--	--	**5,908**	--	--	--	**584**	--	--	--	--	--	**4,910**	**54**	**1,221**	**12,677**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	972	14	986	1,516	310	115	1,941	149	3,214	1,745	66	0	5,174	244	4,243	12,588
Bulk Terminal	--	--	6,253	--	--	--	479	--	--	--	--	--	3,430	0	1,612	11,774
Total	--	--	**7,239**	--	--	--	**2,420**	--	--	--	--	--	**8,604**	**244**	**5,855**	**24,362**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, May 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	599	60	659	78	0	0	78	51	0	1,151	5	4	1,211	105	649	2,702
Bulk Terminal	--	--	3,133	--	--	--	189	--	--	--	--	--	369	0	0	3,691
Total	**--**	**--**	**3,792**	**--**	**--**	**--**	**267**	**--**	**--**	**--**	**--**	**--**	**1,580**	**105**	**649**	**6,393**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,069	0	1,069	327	112	52	491	31	720	139	140	6	1,036	84	971	3,651
Bulk Terminal	--	--	6,356	--	--	--	295	--	--	--	--	--	3,958	0	542	11,151
Total	**--**	**--**	**7,425**	**--**	**--**	**--**	**786**	**--**	**--**	**--**	**--**	**--**	**4,994**	**84**	**1,513**	**14,802**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	995	21	1,016	1,416	208	96	1,720	136	3,363	1,927	37	0	5,463	299	4,238	12,736
Bulk Terminal	--	--	6,533	--	--	--	415	--	--	--	--	--	3,340	0	1,323	11,611
Total	**--**	**--**	**7,549**	**--**	**--**	**--**	**2,135**	**--**	**--**	**--**	**--**	**--**	**8,803**	**299**	**5,561**	**24,347**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, June 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	507	59	566	28	0	0	28	19	0	1,116	3	6	1,144	75	669	2,482
Bulk Terminal	--	--	3,200	--	--	--	113	--	--	--	--	--	396	0	0	3,709
Total	**--**	**--**	**3,766**	**--**	**--**	**--**	**141**	**--**	**--**	**--**	**--**	**--**	**1,540**	**75**	**669**	**6,191**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,034	0	1,034	389	0	57	446	25	620	177	79	5	906	109	729	3,224
Bulk Terminal	--	--	5,144	--	--	--	321	--	--	--	--	--	3,547	0	317	9,329
Total	**--**	**--**	**6,178**	**--**	**--**	**--**	**767**	**--**	**--**	**--**	**--**	**--**	**4,453**	**109**	**1,046**	**12,553**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	578	28	606	1,639	361	101	2,101	114	2,781	2,066	41	0	5,002	305	4,022	12,036
Bulk Terminal	--	--	5,861	--	--	--	366	--	--	--	--	--	3,157	0	1,812	11,196
Total	**--**	**--**	**6,467**	**--**	**--**	**--**	**2,467**	**--**	**--**	**--**	**--**	**--**	**8,159**	**305**	**5,834**	**23,232**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, July 31, 1988

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	481	63	544	75	0	0	75	24	40	982	3	8	1,057	59	638	2,373
Bulk Terminal	--	--	3,295	--	--	--	202	--	--	--	--	--	283	0	0	3,780
Total	**--**	**--**	**3,839**	**--**	**--**	**--**	**277**	**--**	**--**	**--**	**--**	**--**	**1,340**	**59**	**638**	**6,153**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,000	0	1,000	420	0	66	486	11	692	182	140	8	1,033	116	599	3,234
Bulk Terminal	--	--	5,164	--	--	--	315	--	--	--	--	--	3,301	0	648	9,428
Total	**--**	**--**	**6,164**	**--**	**--**	**--**	**801**	**--**	**--**	**--**	**--**	**--**	**4,334**	**116**	**1,247**	**12,662**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	856	25	881	1,933	359	111	2,403	118	2,279	1,290	45	0	3,732	307	3,831	11,154
Bulk Terminal	--	--	5,695	--	--	--	341	--	--	--	--	--	2,809	0	2,026	10,871
Total	**--**	**--**	**6,576**	**--**	**--**	**--**	**2,744**	**--**	**--**	**--**	**--**	**--**	**6,541**	**307**	**5,857**	**22,025**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, August 31, 1988

(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	314	60	374	28	0	0	28	32	86	668	3	10	799	59	724	1,984
Bulk Terminal	--	--	3,249	--	--	--	175	--	--	--	--	--	57	0	0	3,481
Total	**--**	**--**	**3,623**	**--**	**--**	**--**	**203**	**--**	**--**	**--**	**--**	**--**	**856**	**59**	**724**	**5,465**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	932	0	932	396	0	69	465	13	739	114	132	9	1,007	141	724	3,269
Bulk Terminal	--	--	4,939	--	--	--	386	--	--	--	--	--	2,514	0	466	8,305
Total	**--**	**--**	**5,871**	**--**	**--**	**--**	**851**	**--**	**--**	**--**	**--**	**--**	**3,521**	**141**	**1,190**	**11,574**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	705	23	728	1,843	252	109	2,204	144	2,497	1,678	46	0	4,365	324	3,855	11,476
Bulk Terminal	--	--	4,760	--	--	--	339	--	--	--	--	--	2,136	0	2,197	9,432
Total	**--**	**--**	**5,488**	**--**	**--**	**--**	**2,543**	**--**	**--**	**--**	**--**	**--**	**6,501**	**324**	**6,052**	**20,908**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, September 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	393	53	446	34	0	0	34	53	42	950	3	10	1,058	78	663	2,279
Bulk Terminal	--	--	4,222	--	--	--	144	--	--	--	--	--	18	0	0	4,384
Total	**--**	**--**	**4,668**	**--**	**--**	**--**	**178**	**--**	**--**	**--**	**--**	**--**	**1,076**	**78**	**663**	**6,663**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,226	0	1,226	306	0	64	370	6	611	160	94	7	878	91	1,014	3,579
Bulk Terminal	--	--	5,502	--	--	--	404	--	--	--	--	--	2,256	0	413	8,575
Total	**--**	**--**	**6,728**	**--**	**--**	**--**	**774**	**--**	**--**	**--**	**--**	**--**	**3,134**	**91**	**1,427**	**12,154**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	865	12	877	1,614	223	105	1,942	156	2,746	2,217	33	0	5,152	378	4,290	12,639
Bulk Terminal	--	--	7,083	--	--	--	566	--	--	--	--	--	2,844	0	2,539	13,032
Total	**--**	**--**	**7,960**	**--**	**--**	**--**	**2,508**	**--**	**--**	**--**	**--**	**--**	**7,996**	**378**	**6,829**	**25,671**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, October 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appalachian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	429	54	483	27	0	0	27	21	45	626	2	6	700	93	736	2,039
Bulk Terminal	--	--	3,257	--	--	--	216	--	--	--	--	--	4	0	77	3,554
Total	**--**	**--**	**3,740**	**--**	**--**	**--**	**243**	**--**	**--**	**--**	**--**	**--**	**704**	**93**	**813**	**5,593**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,117	0	1,117	369	0	80	449	8	335	185	93	5	626	214	1,501	3,907
Bulk Terminal	--	--	5,560	--	--	--	392	--	--	--	--	--	2,773	0	881	9,606
Total	**--**	**--**	**6,677**	**--**	**--**	**--**	**841**	**--**	**--**	**--**	**--**	**--**	**3,399**	**214**	**2,382**	**13,513**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	567	37	604	1,435	249	105	1,789	112	3,197	1,495	34	0	4,838	288	3,649	11,168
Bulk Terminal	--	--	6,712	--	--	--	748	--	--	--	--	--	2,552	0	2,090	12,102
Total	**--**	**--**	**7,316**	**--**	**--**	**--**	**2,537**	**--**	**--**	**--**	**--**	**--**	**7,390**	**288**	**5,739**	**23,270**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, November 30, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	462	46	508	16	0	0	16	44	88	425	4	4	565	85	838	2,012
Bulk Terminal	--	--	3,305	--	--	--	291	--	--	--	--	--	6	0	0	3,602
Total	--	--	**3,813**	--	--	--	**307**	--	--	--	--	--	**571**	**85**	**838**	**5,614**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	982	20	1,002	353	0	56	409	13	523	163	209	2	910	264	1,184	3,769
Bulk Terminal	--	--	5,560	--	--	--	330	--	--	--	--	--	2,893	0	372	9,155
Total	--	--	**6,562**	--	--	--	**739**	--	--	--	--	--	**3,803**	**264**	**1,556**	**12,924**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	1,047	0	1,047	1,396	193	124	1,713	95	3,437	1,831	40	0	5,403	278	4,219	12,660
Bulk Terminal	--	--	7,226	--	--	--	625	--	--	--	--	--	2,686	0	2,144	12,681
Total	--	--	**8,273**	--	--	--	**2,338**	--	--	--	--	--	**8,089**	**278**	**6,363**	**25,341**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 25. Stocks of Residual Fuel Oil by Sulfur Content by PAD District, December 31, 1988
(Thousand Barrels)

Commodity	PAD District I			PAD District II				PAD District III						PAD Dist. IV	PAD Dist. V	United States
	East Coast	Appala-chian No.1	Total	Ind., Ill., Ky.	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Residual Fuel Oil -- 0.00 to 0.30% Sulfur																
Refinery	238	43	281	28	0	0	28	58	72	807	3	3	943	99	622	1,973
Bulk Terminal	--	--	3,576	--	--	--	340	--	--	--	--	--	4	0	0	3,920
Total	--	--	**3,857**	--	--	--	**368**	--	--	--	--	--	**947**	**99**	**622**	**5,893**
Residual Fuel Oil -- 0.31 to 1.00% Sulfur																
Refinery	1,431	26	1,457	394	0	60	454	18	653	186	34	1	892	280	932	4,015
Bulk Terminal	--	--	5,613	--	--	--	223	--	--	--	--	--	2,597	0	1,042	9,475
Total	--	--	**7,070**	--	--	--	**677**	--	--	--	--	--	**3,489**	**280**	**1,974**	**13,490**
Residual Fuel Oil -- Greater than 1.00% Sulfur																
Refinery	782	0	782	1,431	365	90	1,886	100	2,954	1,665	50	0	4,769	284	3,964	11,685
Bulk Terminal	--	--	7,094	--	--	--	611	--	--	--	--	--	3,159	0	2,410	13,274
Total	--	--	**7,876**	--	--	--	**2,497**	--	--	--	--	--	**7,928**	**284**	**6,374**	**24,959**

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, January 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**45**	**271**	**0**	**846**	**200**	**402**	**244**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	152	0	152	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	45	271	0	694	200	250	244	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, February 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**26**	**316**	**0**	**814**	**223**	**248**	**343**	**72**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	587	223	248	116	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	26	316	0	227	0	0	227	72	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, March 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**0**	**263**	**0**	**537**	**0**	**325**	**212**	**117**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	400	0	325	75	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	0	263	0	137	0	0	137	117	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, April 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**33**	**130**	**0**	**709**	**0**	**656**	**53**	**218**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	391	0	376	15	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	33	130	0	318	0	280	38	218	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, May 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**1**	**289**	**0**	**825**	**0**	**611**	**214**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	80	0	80	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	1	289	0	745	0	531	214	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, June 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**13**	**0**	**0**	**0**	**171**	**0**	**678**	**0**	**425**	**253**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	13	0	0	0	171	0	678	0	425	253	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, July 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to			
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III	
Residual Fuel Oil	**10**	**0**	**0**	**14**	**57**	**0**	**482**	**0**	**0**	**482**	**0**	**0**	**0**	**0**	**0**	
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0.31 to 1.00% Sulfur	0	0	0	0	0	0	274	0	0	274	0	0	0	0	0	
Greater Than 1.00% Sulfur	10	0	0	14	57	0	208	0	0	208	0	0	0	0	0	

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, August 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to			
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III	
Residual Fuel Oil	**0**	**0**	**0**	**12**	**413**	**0**	**276**	**0**	**0**	**276**	**0**	**0**	**0**	**0**	**0**	
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0.31 to 1.00% Sulfur	0	0	0	0	0	0	126	0	0	126	0	0	0	0	0	
Greater Than 1.00% Sulfur	0	0	0	12	413	0	150	0	0	150	0	0	0	0	0	

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, September 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to			
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III	
Residual Fuel Oil	**0**	**0**	**0**	**12**	**356**	**0**	**584**	**0**	**352**	**232**	**35**	**0**	**0**	**0**	**0**	
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0.31 to 1.00% Sulfur	0	0	0	0	0	0	203	0	0	203	0	0	0	0	0	
Greater Than 1.00% Sulfur	0	0	0	12	356	0	381	0	352	29	35	0	0	0	0	

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, October 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**0**	**424**	**0**	**449**	**0**	**168**	**281**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	115	0	0	115	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	0	424	0	334	0	168	166	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, November 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**0**	**222**	**0**	**103**	**0**	**82**	**21**	**89**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	0	222	0	103	0	82	21	55	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 26. Movements of Residual Fuel Oil by Tanker and Barge Between PAD Districts, by Sulfur Content, December 1988
(Thousand Barrels)

Commodity	From I to			From II to			From III to						From V to		
	II	III	V	I	III	V	I	New England	Central Atlantic	Lower Atlantic	II	V	I	II	III
Residual Fuel Oil	**0**	**0**	**0**	**109**	**200**	**0**	**627**	**0**	**291**	**336**	**0**	**0**	**0**	**0**	**0**
0.00 to 0.30% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.31 to 1.00% Sulfur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Than 1.00% Sulfur	0	0	0	109	200	0	627	0	291	336	0	0	0	0	0

Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, January 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,236	0	0	2,236
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,236	0	0	2,236
Other OPEC				
Ecuador	0	0	975	975
Gabon	0	0	0	0
Indonesia	536	0	0	536
Iran	0	0	0	0
Nigeria	0	261	0	261
Venezuela	0	0	5,543	5,543
Subtotal Other OPEC	536	261	6,518	7,315
Other				
Angola	354	0	0	354
Australia	0	0	0	0
Bahama Islands	0	919	658	1,577
Bolivia	0	0	0	0
Brazil	606	0	0	606
Brunei	0	0	0	0
Canada	16	352	506	874
China, People's Republic of	0	0	0	0
Congo	150	0	0	150
Egypt	0	0	0	0
France	0	0	49	49
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	126	0	0	126
Mexico	0	0	1,082	1,082
Netherlands	209	278	0	487
Netherlands Antilles	0	0	1,019	1,019
Norway	0	61	0	61
Oman	0	0	0	0
Peru	0	390	683	1,073
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	0	0
Syria	0	0	0	0
Trinidad	0	0	410	410
Tunisia	0	0	0	0
United Kingdom	0	0	372	372
Virgin Islands	1,370	703	2,248	4,321
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	309	82	657	1,048
Other Eastern Hemisphere	1,109	609	81	1,799
Subtotal Other	4,249	3,394	7,765	15,408
Total Imports	**7,021**	**3,655**	**14,283**	**24,959**

Note: Total may not equal sum of components due to independent rounding.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, February 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,346	0	0	2,346
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,346	0	0	2,346
Other OPEC				
Ecuador	0	0	190	190
Gabon	0	0	0	0
Indonesia	583	125	0	708
Iran	0	0	0	0
Nigeria	163	478	0	641
Venezuela	376	0	5,674	6,050
Subtotal Other OPEC	1,122	603	5,864	7,589
Other				
Angola	356	0	0	356
Australia	0	0	0	0
Bahama Islands	227	1,227	744	2,198
Bolivia	0	0	0	0
Brazil	298	473	0	771
Brunei	0	0	0	0
Canada	31	149	877	1,057
China, People's Republic of	0	0	0	0
Congo	0	121	0	121
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	642	642
Netherlands	0	129	0	129
Netherlands Antilles	0	272	324	596
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	1,392	1,392
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	184	0	184
Syria	0	0	0	0
Trinidad	0	0	668	668
Tunisia	0	0	0	0
United Kingdom	244	526	0	770
Virgin Islands	998	501	650	2,149
Yugoslavia	0	0	0	0
Zaire	0	144	0	144
Other Western Hemisphere	645	397	1,605	2,647
Other Eastern Hemisphere	1,169	1,144	44	2,357
Subtotal Other	3,968	5,267	6,946	16,181
Total Imports	**7,436**	**5,870**	**12,810**	**26,116**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, March 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,217	0	0	2,217
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,217	0	0	2,217
Other OPEC				
Ecuador	0	0	685	685
Gabon	0	0	0	0
Indonesia	211	19	4	234
Iran	0	0	0	0
Nigeria	109	264	0	373
Venezuela	0	82	2,344	2,426
Subtotal Other OPEC	320	365	3,033	3,718
Other				
Angola	676	0	0	676
Australia	0	182	0	182
Bahama Islands	0	348	1,096	1,444
Bolivia	0	0	0	0
Brazil	586	306	0	892
Brunei	0	0	0	0
Canada	133	401	457	991
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	171	0	171
Ghana	146	0	0	146
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	0	0
Netherlands	276	0	269	545
Netherlands Antilles	0	637	613	1,250
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	1,050	1,050
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	215	0	0	215
Syria	0	0	0	0
Trinidad	0	0	407	407
Tunisia	0	0	0	0
United Kingdom	0	429	0	429
Virgin Islands	867	675	985	2,527
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	294	128	1,127	1,549
Other Eastern Hemisphere	644	1,098	9	1,751
Subtotal Other	3,837	4,375	6,013	14,225
Total Imports	**6,374**	**4,740**	**9,046**	**20,160**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,793	0	0	1,793
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,793	0	0	1,793
Other OPEC				
Ecuador	0	0	355	355
Gabon	0	0	0	0
Indonesia	0	0	10	10
Iran	0	0	0	0
Nigeria	0	164	0	164
Venezuela	293	0	4,416	4,709
Subtotal Other OPEC	293	164	4,781	5,238
Other				
Angola	0	0	0	0
Australia	0	217	0	217
Bahama Islands	0	0	533	533
Bolivia	0	0	0	0
Brazil	297	303	0	600
Brunei	0	0	0	0
Canada	0	415	385	800
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	0	0
Ghana	152	0	0	152
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	349	349
Netherlands	0	0	0	0
Netherlands Antilles	0	539	235	774
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	194	560	754
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	222	0	222
Syria	0	0	194	194
Trinidad	0	0	298	298
Tunisia	0	0	0	0
United Kingdom	0	0	0	0
Virgin Islands	0	200	1,344	1,544
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	293	293
Other Eastern Hemisphere	519	520	61	1,100
Subtotal Other	968	2,610	4,252	7,830
Total Imports	**3,054**	**2,774**	**9,033**	**14,861**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, May 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,207	0	396	1,603
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,207	0	396	1,603
Other OPEC				
Ecuador	0	0	541	541
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	1,089	1,089
Subtotal Other OPEC	0	0	1,630	1,630
Other				
Angola	353	0	0	353
Australia	0	243	0	243
Bahama Islands	0	299	446	745
Bolivia	0	0	0	0
Brazil	397	100	2	499
Brunei	0	0	0	0
Canada	350	613	674	1,637
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	276	276
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	101	101
Netherlands	0	350	75	425
Netherlands Antilles	0	354	270	624
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	345	626	971
Puerto Rico	0	0	0	0
Romania	0	0	297	297
Spain	0	0	0	0
Syria	0	0	0	0
Trinidad	0	0	1,045	1,045
Tunisia	0	0	0	0
United Kingdom	0	0	0	0
Virgin Islands	0	407	1,496	1,903
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	51	426	477
Other Eastern Hemisphere	384	177	0	561
Subtotal Other	1,484	2,939	5,734	10,157
Total Imports	**2,691**	**2,939**	**7,760**	**13,390**

Note: Total may not equal sum of components because of independent rounding.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, June 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,065	0	0	1,065
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,065	0	0	1,065
Other OPEC				
Ecuador	359	0	179	538
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	0	0	641	641
Subtotal Other OPEC	359	0	820	1,179
Other				
Angola	322	0	0	322
Australia	0	0	0	0
Bahama Islands	0	0	453	453
Bolivia	0	0	0	0
Brazil	626	0	0	626
Brunei	0	0	0	0
Canada	568	340	253	1,161
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	304	304
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	4	0	4
Netherlands	234	0	0	234
Netherlands Antilles	352	0	580	932
Norway	0	0	0	0
Oman	0	0	0	0
Peru	93	0	0	93
Puerto Rico	0	0	0	0
Romania	0	0	230	230
Spain	0	0	231	231
Syria	0	0	0	0
Trinidad	0	0	960	960
Tunisia	0	0	0	0
United Kingdom	0	171	0	171
Virgin Islands	232	409	501	1,142
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	62	0	39	101
Other Eastern Hemisphere	55	613	210	878
Subtotal Other	2,544	1,537	3,761	7,842
Total Imports	**3,968**	**1,537**	**4,581**	**10,086**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, July 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,076	0	0	1,076
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,076	0	0	1,076
Other OPEC				
Ecuador	0	0	361	361
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	125	0	125
Venezuela	0	0	877	877
Subtotal Other OPEC	0	125	1,238	1,363
Other				
Angola	0	0	0	0
Australia	0	233	0	233
Bahama Islands	0	0	453	453
Bolivia	0	0	0	0
Brazil	631	0	0	631
Brunei	0	0	0	0
Canada	213	115	816	1,144
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	0	385	385
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	523	523
Netherlands	0	0	0	0
Netherlands Antilles	0	598	0	598
Norway	0	212	0	212
Oman	0	0	0	0
Peru	0	0	330	330
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	1	312	534	847
Syria	0	0	0	0
Trinidad	0	0	681	681
Tunisia	0	0	0	0
United Kingdom	191	641	0	832
Virgin Islands	271	553	1,505	2,329
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	973	973
Other Eastern Hemisphere	976	943	329	2,248
Subtotal Other	2,283	3,607	6,529	12,419
Total Imports	**3,359**	**3,732**	**7,767**	**14,858**

Note: Total may not equal sum of components due to independent rounding.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,414	0	0	1,414
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	248	248
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,414	0	248	1,662
Other OPEC				
Ecuador	0	0	180	180
Gabon	0	0	0	0
Indonesia	0	0	0	0
Iran	0	0	0	0
Nigeria	0	267	144	411
Venezuela	721	637	1,574	2,932
Subtotal Other OPEC	721	904	1,898	3,523
Other				
Angola	0	0	0	0
Australia	0	0	0	0
Bahama Islands	0	0	362	362
Bolivia	0	0	0	0
Brazil	316	0	0	316
Brunei	0	0	0	0
Canada	320	587	1,042	1,949
China, People's Republic of	0	0	0	0
Congo	165	0	0	165
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	794	794
Netherlands	0	462	0	462
Netherlands Antilles	0	707	0	707
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	209	661	870
Puerto Rico	0	0	0	0
Romania	0	0	330	330
Spain	0	198	600	798
Syria	0	0	0	0
Trinidad	0	0	326	326
Tunisia	0	0	0	0
United Kingdom	221	844	0	1,065
Virgin Islands	87	263	1,035	1,385
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	891	891
Other Eastern Hemisphere	505	1,120	782	2,407
Subtotal Other	1,614	4,390	6,823	12,827
Total Imports	**3,749**	**5,294**	**8,969**	**18,012**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, September 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,682	0	0	1,682
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,682	0	0	1,682
Other OPEC				
Ecuador	0	0	181	181
Gabon	0	0	0	0
Indonesia	916	0	0	916
Iran	0	0	0	0
Nigeria	0	405	0	405
Venezuela	0	95	1,663	1,758
Subtotal Other OPEC	916	500	1,844	3,260
Other				
Angola	356	0	0	356
Australia	0	226	0	226
Bahama Islands	0	446	675	1,121
Bolivia	0	0	0	0
Brazil	0	0	0	0
Brunei	0	0	0	0
Canada	49	132	935	1,116
China, People's Republic of	0	0	0	0
Congo	166	0	0	166
Egypt	0	293	0	293
France	0	280	0	280
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	1,313	1,313
Netherlands	0	0	0	0
Netherlands Antilles	0	12	308	320
Norway	0	350	0	350
Oman	0	0	0	0
Peru	0	200	332	532
Puerto Rico	0	0	0	0
Romania	0	0	637	637
Spain	0	0	341	341
Syria	0	0	0	0
Trinidad	0	0	313	313
Tunisia	0	0	0	0
United Kingdom	0	359	422	781
Virgin Islands	252	43	2,168	2,463
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	0	763	763
Other Eastern Hemisphere	1,628	1,728	1,268	4,624
Subtotal Other	2,451	4,069	9,475	15,995
Total Imports	**5,049**	**4,569**	**11,319**	**20,937**

Note: Total may not equal sum of components due to independent rounding.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	1,680	132	0	1,812
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	1,680	132	0	1,812
Other OPEC				
Ecuador	0	0	361	361
Gabon	0	0	323	323
Indonesia	1,894	0	0	1,894
Iran	0	0	0	0
Nigeria	505	176	0	681
Venezuela	136	0	2,176	2,312
Subtotal Other OPEC	2,535	176	2,860	5,571
Other				
Angola	73	0	0	73
Australia	0	0	0	0
Bahama Islands	0	0	406	406
Bolivia	0	0	0	0
Brazil	305	312	0	617
Brunei	0	0	0	0
Canada	237	1	776	1,014
China, People's Republic of	0	0	0	0
Congo	331	0	0	331
Egypt	0	0	0	0
France	0	0	0	0
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	382	382
Netherlands	0	0	0	0
Netherlands Antilles	0	0	215	215
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	0	662	662
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	0	0
Syria	0	0	0	0
Trinidad	0	281	660	941
Tunisia	0	0	0	0
United Kingdom	0	889	585	1,474
Virgin Islands	86	614	1,218	1,918
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	164	681	845
Other Eastern Hemisphere	1,342	837	264	2,443
Subtotal Other	2,374	3,098	5,849	11,321
Total Imports	**6,589**	**3,406**	**8,709**	**18,704**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 27. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, November 1988
(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,533	0	0	2,533
Iraq	0	0	0	0
Kuwait	0	0	0	0
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	274	274
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,533	0	274	2,807
Other OPEC				
Ecuador	0	0	525	525
Gabon	0	0	0	0
Indonesia	385	0	0	385
Iran	0	0	0	0
Nigeria	0	156	0	156
Venezuela	0	0	4,148	4,148
Subtotal Other OPEC	385	156	4,673	5,214
Other				
Angola	630	0	0	630
Australia	0	45	0	45
Bahama Islands	0	49	503	552
Bolivia	0	0	0	0
Brazil	304	0	0	304
Brunei	0	0	0	0
Canada	254	212	608	1,074
China, People's Republic of	0	0	0	0
Congo	0	0	0	0
Egypt	0	0	0	0
France	0	243	0	243
Ghana	0	0	137	137
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	752	752
Netherlands	0	0	0	0
Netherlands Antilles	0	823	682	1,505
Norway	0	0	0	0
Oman	0	0	0	0
Peru	0	204	1,015	1,219
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	0	0	0
Syria	0	0	158	158
Trinidad	0	0	152	152
Tunisia	0	0	0	0
United Kingdom	0	1,102	0	1,102
Virgin Islands	879	57	1,507	2,443
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	164	1,264	1,428
Other Eastern Hemisphere	1,186	1,308	1,284	3,778
Subtotal Other	3,253	4,207	8,062	15,522
Total Imports	**6,171**	**4,363**	**13,009**	**23,543**

(Thousand Barrels)

Country	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
Arab OPEC				
Algeria	2,429	0	0	2,429
Iraq	0	0	0	0
Kuwait	0	0	130	130
Libya	0	0	0	0
Qatar	0	0	0	0
Neutral Zone	0	0	0	0
Saudi Arabia	0	0	0	0
United Arab Emirates	0	0	0	0
Subtotal Arab OPEC	2,429	0	130	2,559
Other OPEC				
Ecuador	0	0	182	182
Gabon	0	0	0	0
Indonesia	403	0	0	403
Iran	0	0	0	0
Nigeria	0	0	0	0
Venezuela	717	170	3,007	3,894
Subtotal Other OPEC	1,120	170	3,189	4,479
Other				
Angola	0	0	0	0
Australia	0	0	0	0
Bahama Islands	0	190	842	1,032
Bolivia	0	0	0	0
Brazil	647	0	0	647
Brunei	0	0	0	0
Canada	104	829	1,092	2,025
China, People's Republic of	0	0	0	0
Congo	165	0	0	165
Egypt	0	57	0	57
France	0	573	0	573
Ghana	0	0	0	0
Liberia	0	0	0	0
Malaysia	0	0	0	0
Mexico	0	0	420	420
Netherlands	349	0	266	615
Netherlands Antilles	0	336	845	1,181
Norway	0	271	0	271
Oman	0	0	0	0
Peru	0	0	1,390	1,390
Puerto Rico	0	0	0	0
Romania	0	0	0	0
Spain	0	115	221	336
Syria	0	0	0	0
Trinidad	0	0	667	667
Tunisia	0	392	0	392
United Kingdom	0	1,904	342	2,246
Virgin Islands	3,012	518	1,263	4,793
Yugoslavia	0	0	0	0
Zaire	0	0	0	0
Other Western Hemisphere	0	1,255	724	1,979
Other Eastern Hemisphere	2,212	1,296	899	4,407
Subtotal Other	6,489	7,736	8,971	23,196
Total Imports	**10,038**	**7,906**	**12,290**	**30,234**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explantory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, January 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**6,115**	**3,655**	**13,256**	**23,026**
Florida	0	74	1,141	1,215
Georgia	0	0	229	229
Maine	0	352	790	1,142
Maryland	0	269	0	269
Massachusetts	0	558	2,486	3,044
New Hampshire	309	0	554	863
New Jersey	1,893	516	1,819	4,228
New York	3,913	1,538	2,485	7,936
North Carolina	0	0	1,038	1,038
Pennsylvania	0	348	1,227	1,575
Rhode Island	0	0	50	50
South Carolina	0	0	519	519
Vermont	0	0	6	6
Virginia	0	0	912	912
PAD District II	**16**	**0**	**114**	**130**
Illinois	0	0	36	36
Michigan	16	0	30	46
North Dakota	0	0	32	32
Ohio	0	0	16	16
PAD District III	**0**	**0**	**402**	**402**
Alabama	0	0	30	30
Texas	0	0	372	372
PAD District V	**890**	**0**	**511**	**1,401**
California	560	0	511	1,071
Hawaii	330	0	0	330
All PAD Districts	**7,021**	**3,655**	**14,283**	**24,959**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, February 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**5,489**	**5,870**	**12,712**	**24,071**
Connecticut	0	507	0	507
Delaware	0	0	68	68
Florida	0	70	953	1,023
Georgia	0	0	144	144
Maine	0	380	849	1,229
Maryland	0	0	508	508
Massachusetts	0	1,429	3,993	5,422
New Hampshire	310	0	309	619
New Jersey	128	727	1,906	2,761
New York	5,051	1,890	1,179	8,120
North Carolina	0	0	693	693
Pennsylvania	0	240	720	960
Rhode Island	0	600	0	600
South Carolina	0	27	376	403
Vermont	0	0	6	6
Virginia	0	0	1,008	1,008
PAD District II	**31**	**0**	**98**	**129**
Illinois	0	0	35	35
Michigan	31	0	0	31
North Dakota	0	0	47	47
Ohio	0	0	16	16
PAD District III	**227**	**0**	**0**	**227**
Texas	227	0	0	227
PAD District V	**1,689**	**0**	**0**	**1,689**
California	1,301	0	0	1,301
Hawaii	388	0	0	388
All PAD Districts	**7,436**	**5,870**	**12,810**	**26,116**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, March 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**5,826**	**4,146**	**8,891**	**18,863**
Connecticut	0	249	101	350
Florida	0	453	1,124	1,577
Georgia	0	0	161	161
Maine	70	0	659	729
Maryland	0	89	408	497
Massachusetts	135	601	1,420	2,156
New Hampshire	294	0	328	622
New Jersey	2,346	658	1,159	4,163
New York	2,981	1,538	2,028	6,547
North Carolina	0	0	133	133
Pennsylvania	0	558	647	1,205
South Carolina	0	0	91	91
Vermont	0	0	8	8
Virginia	0	0	624	624
PAD District II	**63**	**0**	**155**	**218**
Illinois	0	0	36	36
Michigan	63	0	14	77
Minnesota	0	0	49	49
North Dakota	0	0	40	40
Ohio	0	0	16	16
PAD District III	**175**	**594**	**0**	**769**
Texas	175	594	0	769
PAD District V	**310**	**0**	**0**	**310**
Hawaii	310	0	0	310
All PAD Districts	**6,374**	**4,740**	**9,046**	**20,160**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, April 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**1,773**	**2,557**	**8,637**	**12,967**
Florida	0	266	802	1,068
Georgia	0	0	62	62
Maine	0	0	1,065	1,065
Maryland	0	271	123	394
Massachusetts	0	51	1,229	1,280
New Hampshire	293	0	293	586
New Jersey	380	737	1,276	2,393
New York	1,100	362	1,649	3,111
North Carolina	0	0	371	371
Pennsylvania	0	648	718	1,366
Rhode Island	0	222	0	222
South Carolina	0	0	90	90
Vermont	0	0	3	3
Virginia	0	0	956	956
PAD District II	**0**	**0**	**79**	**79**
North Dakota	0	0	28	28
Wisconsin	0	0	51	51
PAD District III	**1,281**	**0**	**240**	**1,521**
Alabama	0	0	240	240
Texas	1,281	0	0	1,281
PAD District V	**0**	**217**	**77**	**294**
California	0	217	0	217
Washington	0	0	77	77
All PAD Districts	**3,054**	**2,774**	**9,033**	**14,861**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, May 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**2,157**	**2,593**	**7,540**	**12,290**
Connecticut	0	299	0	299
Florida	0	78	494	572
Maine	0	0	295	295
Maryland	0	0	570	570
Massachusetts	0	623	1,606	2,229
New Jersey	1,449	540	970	2,959
New York	708	718	1,757	3,183
North Carolina	0	0	518	518
Pennsylvania	0	0	180	180
Rhode Island	0	335	34	369
South Carolina	0	0	332	332
Vermont	0	0	3	3
Virginia	0	0	781	781
PAD District II	**0**	**0**	**39**	**39**
Michigan	0	0	8	8
North Dakota	0	0	31	31
PAD District III	**350**	**0**	**0**	**350**
Texas	350	0	0	350
PAD District V	**184**	**346**	**181**	**711**
California	0	273	181	454
Hawaii	184	0	0	184
Washington	0	73	0	73
All PAD Districts	**2,691**	**2,939**	**7,760**	**13,390**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, June 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,263**	**1,261**	**4,296**	**8,820**
Florida	0	179	516	695
Georgia	0	0	185	185
Maine	0	0	115	115
Maryland	247	230	600	1,077
Massachusetts	0	279	846	1,125
New Jersey	868	228	371	1,467
New York	2,148	345	491	2,984
North Carolina	0	0	279	279
Pennsylvania	0	0	441	441
Vermont	0	0	10	10
Virginia	0	0	442	442
PAD District II	**78**	**0**	**35**	**113**
Michigan	78	0	0	78
North Dakota	0	0	35	35
PAD District III	**627**	**0**	**250**	**877**
Alabama	0	0	250	250
Texas	627	0	0	627
PAD District V	**0**	**276**	**0**	**276**
California	0	4	0	4
Hawaii	0	160	0	160
Washington	0	112	0	112
All PAD Districts	**3,968**	**1,537**	**4,581**	**10,086**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, July 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,053**	**3,384**	**6,898**	**13,335**
Florida	0	282	222	504
Maine	0	170	1,195	1,365
Maryland	171	764	194	1,129
Massachusetts	0	328	1,485	1,813
New Jersey	521	633	1,500	2,654
New York	1,488	814	1,266	3,568
North Carolina	0	0	383	383
Pennsylvania	557	393	116	1,066
South Carolina	0	0	266	266
Vermont	0	0	10	10
Virginia	316	0	261	577
PAD District II	**47**	**0**	**17**	**64**
Michigan	47	0	0	47
North Dakota	0	0	17	17
PAD District III	**1**	**0**	**852**	**853**
Alabama	0	0	193	193
Louisiana	0	0	330	330
Texas	1	0	329	330
PAD District V	**258**	**348**	**0**	**606**
California	0	233	0	233
Hawaii	258	0	0	258
Washington	0	115	0	115
All PAD Districts	**3,359**	**3,732**	**7,767**	**14,858**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, August 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,236**	**5,216**	**7,458**	**15,910**
Florida	0	269	353	622
Georgia	0	0	170	170
Maine	221	413	16	650
Maryland	165	400	362	927
Massachusetts	574	904	2,419	3,897
New Hampshire	0	0	50	50
New Jersey	210	849	792	1,851
New York	2,066	1,139	1,916	5,121
North Carolina	0	0	204	204
Pennsylvania	0	1,070	573	1,643
Rhode Island	0	172	0	172
South Carolina	0	0	125	125
Vermont	0	0	6	6
Virginia	0	0	472	472
PAD District II	**320**	**0**	**60**	**380**
Illinois	62	0	0	62
Indiana	62	0	0	62
Michigan	196	0	35	231
North Dakota	0	0	25	25
PAD District III	**0**	**0**	**1,450**	**1,450**
Alabama	0	0	485	485
Louisiana	0	0	717	717
Texas	0	0	248	248
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**193**	**78**	**0**	**271**
Hawaii	193	0	0	193
Oregon	0	39	0	39
Washington	0	39	0	39
All PAD Districts	**3,749**	**5,294**	**8,969**	**18,012**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, September 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,112**	**4,309**	**10,039**	**17,460**
Connecticut	0	23	0	23
Delaware	0	0	81	81
Florida	0	731	1,176	1,907
Georgia	0	0	98	98
Maine	0	0	577	577
Maryland	166	622	819	1,607
Massachusetts	0	532	1,483	2,015
New Hampshire	0	0	61	61
New Jersey	1,402	0	1,140	2,542
New York	1,497	1,151	2,536	5,184
North Carolina	0	0	500	500
Pennsylvania	47	411	346	804
Rhode Island	0	223	0	223
South Carolina	0	0	378	378
Vermont	0	0	5	5
Virginia	0	616	839	1,455
PAD District II	**0**	**0**	**26**	**26**
North Dakota	0	0	26	26
PAD District III	**0**	**0**	**1,253**	**1,253**
Alabama	0	0	531	531
Louisiana	0	0	313	313
Texas	0	0	409	409
PAD District IV	**0**	**0**	**1**	**1**
Montana	0	0	1	1
PAD District V	**1,937**	**260**	**0**	**2,197**
California	1,937	226	0	2,163
Oregon	0	34	0	34
All PAD Districts	**5,049**	**4,569**	**11,319**	**20,937**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, October 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**3,417**	**3,405**	**8,142**	**14,964**
Connecticut	0	215	0	215
Florida	0	933	901	1,834
Maine	0	0	431	431
Maryland	0	0	68	68
Massachusetts	0	511	1,235	1,746
New Hampshire	0	0	183	183
New Jersey	530	958	1,073	2,561
New York	2,299	641	2,294	5,234
North Carolina	136	0	380	516
Pennsylvania	452	147	388	987
South Carolina	0	0	150	150
Vermont	0	0	6	6
Virginia	0	0	1,033	1,033
PAD District II	**142**	**1**	**104**	**247**
Michigan	142	1	39	182
North Dakota	0	0	35	35
Ohio	0	0	30	30
PAD District III	**99**	**0**	**199**	**298**
Alabama	0	0	199	199
Texas	99	0	0	99
PAD District V	**2,931**	**0**	**264**	**3,195**
California	2,428	0	264	2,692
Hawaii	503	0	0	503
All PAD Districts	**6,589**	**3,406**	**8,709**	**18,704**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, November 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**5,285**	**4,318**	**12,522**	**22,125**
Connecticut	0	84	455	539
Delaware	0	0	344	344
Florida	0	285	920	1,205
Georgia	0	0	92	92
Maine	0	211	744	955
Maryland	0	140	667	807
Massachusetts	0	1,352	2,720	4,072
New Jersey	1,110	723	2,205	4,038
New York	4,175	1,280	2,689	8,144
North Carolina	0	0	362	362
Pennsylvania	0	0	608	608
Rhode Island	0	243	0	243
South Carolina	0	0	276	276
Vermont	0	0	7	7
Virginia	0	0	433	433
PAD District II	**254**	**0**	**34**	**288**
Michigan	254	0	1	255
North Dakota	0	0	33	33
PAD District III	**0**	**0**	**453**	**453**
Alabama	0	0	453	453
PAD District V	**632**	**45**	**0**	**677**
California	385	0	0	385
Hawaii	247	45	0	292
All PAD Districts	**6,171**	**4,363**	**13,009**	**23,543**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

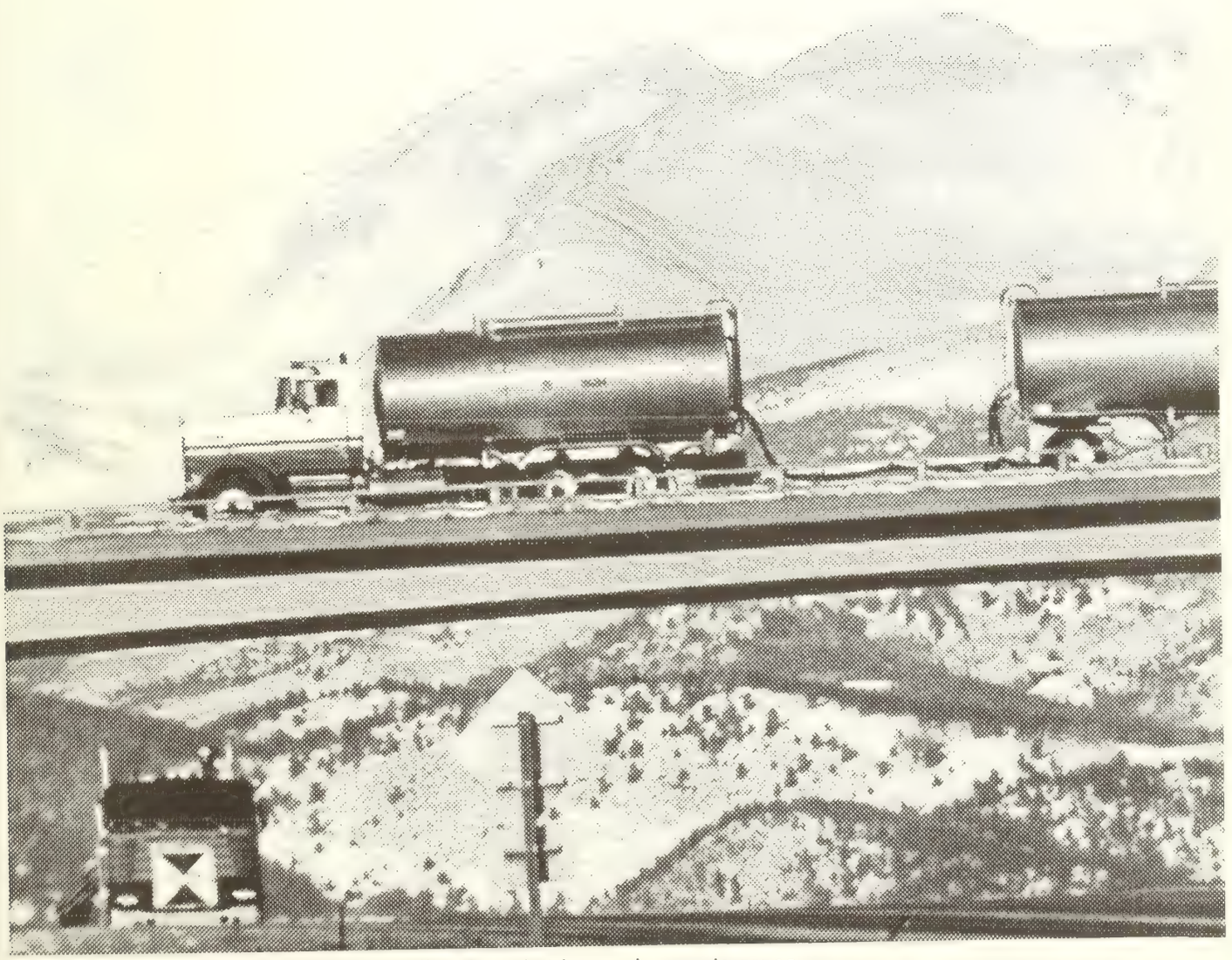
Table 28. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, December 1988
(Thousand Barrels)

State	Residual Fuel Oil			
	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total
PAD District I	**8,828**	**7,906**	**11,809**	**28,543**
Connecticut	0	619	0	619
Florida	0	0	672	672
Maine	0	452	1,262	1,714
Maryland	0	596	1,312	1,908
Massachusetts	0	2,127	822	2,949
New Jersey	1,887	1,330	1,206	4,423
New York	6,679	1,497	4,215	12,391
North Carolina	0	0	916	916
Pennsylvania	241	818	513	1,572
Rhode Island	0	192	0	192
South Carolina	21	0	273	294
Vermont	0	0	6	6
Virginia	0	275	612	887
PAD District II	**104**	**0**	**56**	**160**
Michigan	104	0	3	107
Minnesota	0	0	3	3
North Dakota	0	0	50	50
PAD District III	**0**	**0**	**101**	**101**
Alabama	0	0	101	101
PAD District IV	**0**	**0**	**5**	**5**
Idaho	0	0	5	5
PAD District V	**1,106**	**0**	**319**	**1,425**
California	857	0	319	1,176
Hawaii	249	0	0	249
All PAD Districts	**10,038**	**7,906**	**12,290**	**30,234**

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1 and 2.

Appendix A

District Descriptions and Maps



Tank trucks are used to pick up crude oil gathered at leases in remote areas.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

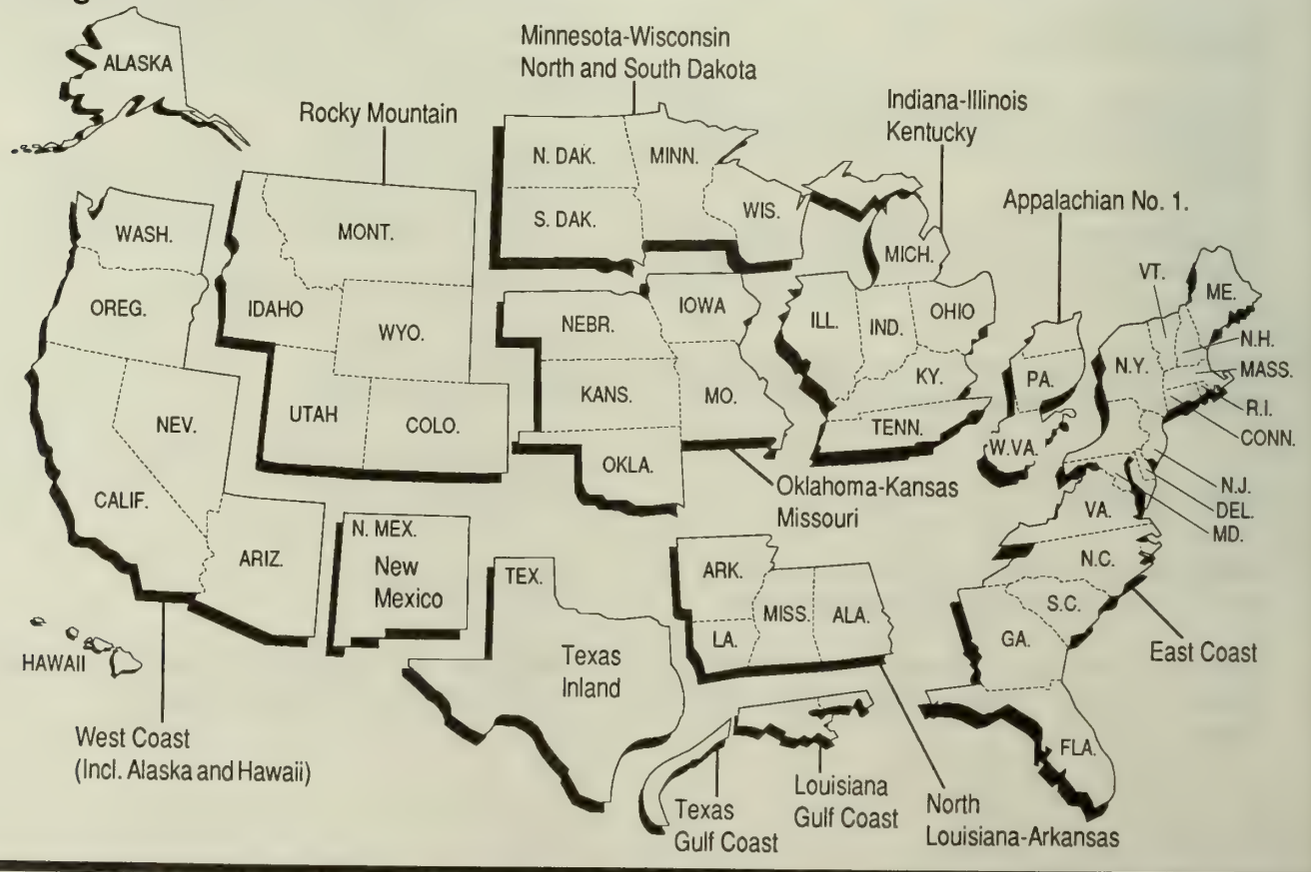
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts

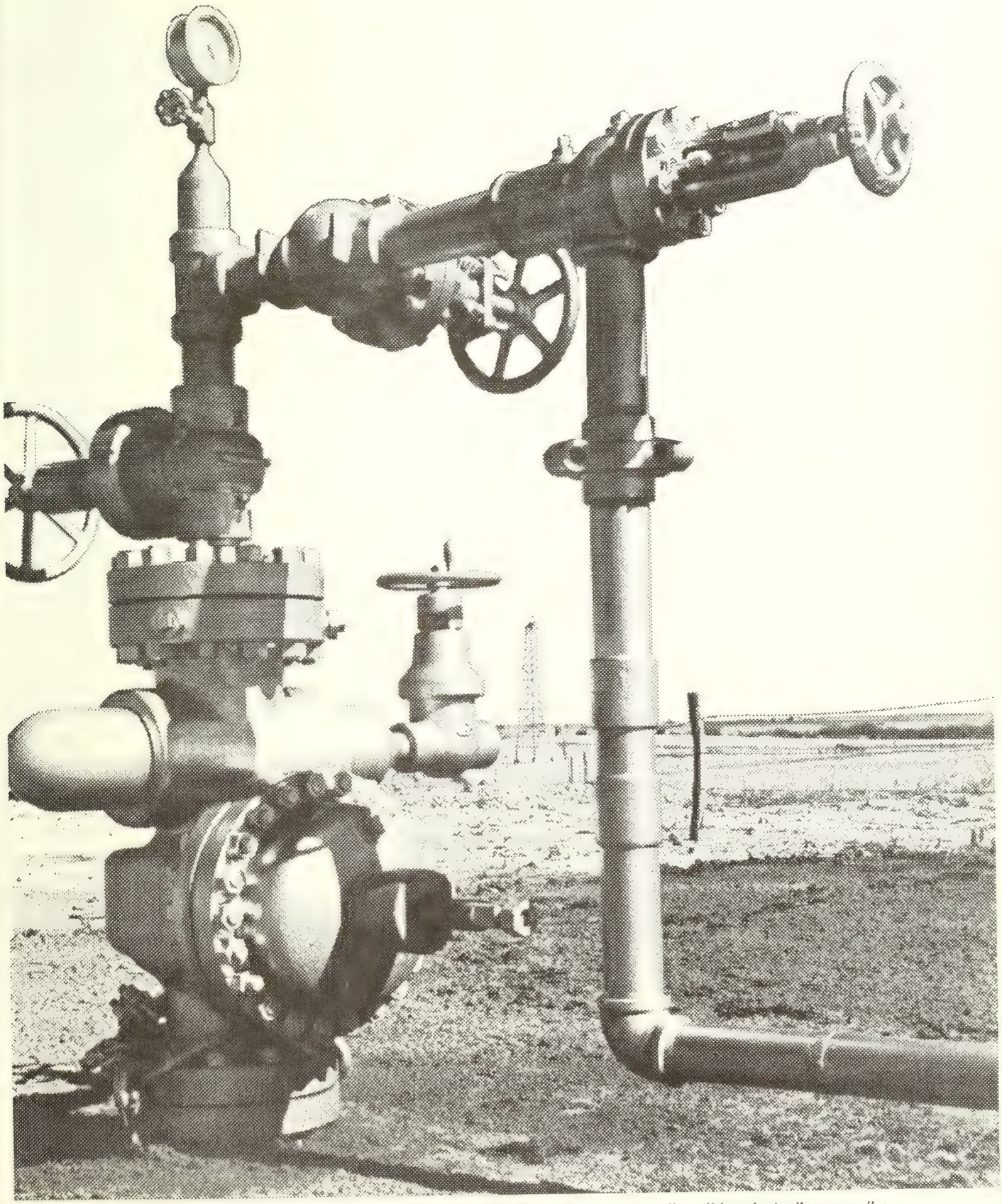


Refining Districts



Appendix B

Explanatory Notes



The cluster of pipes and valves that control the flow of oil at the mouth of an oil well is what oilmen call a "Christmas Tree."

Appendix B

Explanatory Notes

Note 1: Data Collection Methodology

Background

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are:

Form Number	*Name*
EIA-800	Weekly Refinery Report
EIA-801	Weekly Bulk Terminal Report
EIA-802	Weekly Product Pipeline Report
EIA-803	Weekly Crude Oil Stocks Report
EIA-804	Weekly Imports Report
EIA-810	Monthly Refinery Report
EIA-811	Monthly Bulk Terminal Report
EIA-812	Monthly Product Pipeline Report
EIA-813	Monthly Crude Oil Report
EIA-814	Monthly Imports Report
EIA-816	Monthly Natural Gas Liquids Report
EIA-817	Monthly Tanker and Barge Movement Report
EIA-820	Annual Refinery Report

Forms EIA-810 through 814, 816, and 817 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery and natural gas plant operations data; refinery, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *Petroleum Supply Annual* (PSA). A description of MPSRS survey forms follows in Explanatory Note 1.1.

Data are also obtained on magnetic tape from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSA. A description of the Census data follows in Explanatory Note 1.2.

Note 1.1: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, and Guam. Approximately 240 respondents report on the EIA-810.

EIA-811: Every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. Approximately 350 respondents report on the EIA-811.

EIA-812: All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 90 respondents report on the EIA-812.

EIA-813: All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 170 respondents report on the EIA-813.

EIA-814: All companies, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. Approximately 860 respondents report on the EIA-814.

EIA-816: All facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 900 respondents report on the EIA-816.

EIA-817: All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company owned tanker or barge. Also, companies which lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 35 respondents report on the EIA-817.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Every three years an extensive survey is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, Federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month, with the exception of the EIA-814 which is due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed for companies that do not respond to EIA Forms 810-813 and 816. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. Data for nonrespondents on the EIA-814 and 817 are not imputed.

Response Rate

The response rate is generally 99 to 100 percent by the time the data are first published. Nonrespondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the FEA Act.

Note 1.2: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the Energy Information Administration (EIA) purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data tapes are the only source of export statistics and are used to augment the import data collected by the EIA.

Import Statistics (IM-145)

Coverage

Census import statistics used in the *Petroleum Supply Annual* (PSA) reflect both government and nongovernment imports of merchandise from foreign countries and U.S. possessions into the United States (the 50 States and the District of Columbia) without regard to whether or not a commercial transaction is involved. The following types of transactions are excluded from the statistics:

(1) Merchandise in transit through the United States, when documented with Customs as an in transit movement.

(2) U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Census export statistics used in the *PSA* reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

(1) Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

(2) Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census. Exporters are required to file export documents with Customs officials (Customs Form 7525).

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year. For survey descriptions and other details, see Explanatory Note 1.1.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the year is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same year.

Imports of crude oil and petroleum products are reported monthly on Form EIA-814, *Monthly Imports Report*. In addition, imports of natural gas liquids (NGLs) are obtained from the Census Bureau Tabulation IM-145. The Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. Additional data taken from the IM-145 are relatively small quantities of naphtha-type and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for

domestic consumption and therefore are not included in the Form EIA-814 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the year from stocks at the beginning of the same year. (Note: The beginning stocks of one year are equal to the ending stocks of the previous year.) A positive result (+) would represent a withdrawal from stocks. A negative result (-) would represent a buildup of stocks. For a description of survey forms used to make stock withdrawal or addition calculations, see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production, imports, and stock withdrawals. Crude oil disposition is the sum of exports, refinery input, losses, stock additions, and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supply from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the Conservation Committee of California Oil Producers.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports of various State agencies, the Minerals Management Service, and the Conservation Committee of California Oil Producers.

Table 9 of this publication reflects revisions received by the EIA as of April 1989. Additional revisions received after date of this publication will be incorporated into the Crude Oil Production System (COPS) as they become available to the EIA and will be published a final time as an Appendix in the following year's *Petroleum Supply Annual.*

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries reported for all refineries on Form EIA-810, *Monthly Refinery Report.*

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report.* Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico and the Virgin Islands, which are obtained from refinery receipts reported on Form EIA-810, *Monthly Refinery Report,* by refineries located in these places.

Product Supplied for each product is calculated by summing field production, plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a Petroleum Administration for Defense (PAD) District basis), minus refinery input, minus exports. This formula ensures that total disposition equals total supply.

Product supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production net having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are

reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers. For survey descriptions and other details, see Explanatory Note 1.1.

Note 6: Movements

Movements of crude oil between Petroleum Administration for Defense (PAD) Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other details, see Explanatory Note 1.1.

Note 7: Notes on Tables

Note 7.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 3. Total Production and Crude Oil Production appear under Field Production in Table 3.
- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 3.
- Petroleum Products Imports is the sum of Natural Gas Liquids and Liquefied Refinery Gases (LRGs), Other Liquids, and Finished Petroleum Products Imports in Table 3.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 7.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the "Detailed Statistics," except where noted.

- Total Domestic Field Production, Alaskan Field Production, Strategic Petroleum Reserve (SPR) Imports, Other Imports (synonymous with Gross Imports Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted for Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.
- Crude Losses and Product Supplied appear as labeled in Table 3.
- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.
- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.
- Total Imports appear in Table 3.

Note 7.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, ethylene, propane, propylene, butane, butylene, and isobutane. The statistics on the referenced line appear in Table 3 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 3.
- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 3.
- Ending stocks appear in thousand barrels in Table 2.

Note 7.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases. The statistics on the referenced line are aggregated from Table 3 of the "Detailed Statistics," except where noted.

- Total production is the aggregated sum of Field Production and Refinery Production in Table 3.
- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 3.
- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 7.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, and *Total U.S.* appear as labeled in Table 9. *Lower 48 States* are calculated by subtracting Alaska crude oil production from Total U.S. crude oil production.
- Line (5): *SPR Imports* are reported on survey Form EIA-814.
- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude oil losses minus crude oil product supplied in Table 2.
- Line (14): Natural Gas Plant Liquids (NGPL) *Field Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.
- Line (15): NGPL *Net Imports* equals the sum of the imports of pentanes plus minus the exports of pentanes plus in Table 2.
- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the stock withdrawal (+) or addition (-) of pentanes plus in Table 2.
- Line (17): *Total NGPL Supply* equals the sum of lines (14), (15), and (16).
- Line (18): Other Liquids *Stock Withdrawal (+) or Addition (-)* equals the aggregate stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, unfinished oils, motor gasoline blending components, and aviation gasoline blending components in Table 2.
- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.
- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.
- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).
- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus field production of other liquids; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.
- Line (25): *Gross Imports* of Refined Products equals imports of liquefied petroleum gases (LPG) plus imports of finished petroleum products in Table 2.
- Line (26): *Exports* of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports* of Refined Products equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus total field production of other liquids; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stock Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (34): Equals the respective products supplied in Table 2.

- Line (35): *Other Products Supplied* equals the sum of pentanes plus, aviation gasoline, naphtha-type jet fuel, kerosene-type jet fuel, naphtha <400 Deg. F. for petrochemical feedstock use, other oils >400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components, and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39): Stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve* equals ending stocks of crude oil in Table 2.

- Line (43): Stocks of *Finished Refined Products* equals the sum of liquefied petroleum gases and finished petroleum products stocks in Table 2.

Note 8: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,425; and 1982 - 1,462.

- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.

- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.

- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.

- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.

- Stock withdrawal calculations beginning in 1975, 1981, and 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the "Summary Statistics," is now reported on a component basis (ethane, propane, normal butane, isobutane, and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the "Summary Statistics." This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108.

- Other Petroleum Products: 1983 - 248.

Note 9: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 10: 1981 Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures, and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration (EIA) in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting system.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings through 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. The difference increased to about 3 percent in 1979 and 1980. There were two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). Table B1 provides 1979 and 1980 data as published in the *Petroleum Statement, Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied.

EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years.

Table B1. Finished Motor Gasoline Product Supplied
(Thousand Barrels per Day)

	EIA Reported	API Recast	EIA Recast	FHWA[a]
1979....	7,034	7,302	7,183-7,347	7,258
1980....	6,579	6,882	6,806-6,889	6,792

[a]FHWA gasoline statistics based on data from Federal Highway Administration, Estimate of Total Gasoline Use, Table MF-21A published October 1980 and September 1981. Aviation gasoline (Table MF-24) has been subtracted from FHWA product supplied quantities to make data comparable.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oils produced by a refinery are shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was subtracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981, this adjustment was discontinued because there was not sufficient empirical evidence to support it. Table B2 presents distillate and residual fuel oil refinery production in 1979 and 1980 as published (adjusted) and on the same basis as 1981 statistics (unadjusted) to permit comparison.

Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Table B2. Distillate and Residual Fuel Oil Production and Product Supplied
(Thousand Barrels per Day)

	Adjusted Refinery Production	Unadjusted Refinery Production	Difference	Unadjusted Product Supplied
Distillate Fuel Oil				
1979	3,152	3,169	16	3,327
1980	2,661	2,764	103	2,969
Residual Fuel Oil				
1979	1,687	1,695	8	2,834
1980	1,580	1,634	54	2,562

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids section, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 11: Natural Gas Liquids Reporting Changes

Beginning in January 1984, a number of changes in the reporting of natural gas liquids (NGL) were implemented. The modified system reflects supply and disposition of NGL on a component, rather than product, basis.

From 1979 to 1983, the EIA collected and reported information on the supply and disposition of nine NGL products. Beginning with January 1984, NGL supply and disposition data were reported on a five component basis (see table below) to be consistent with record-keeping practices used by the industry. Table B3 shows the product categories under the new and old basis.

Four PSRS surveys were modified beginning in January 1984. They were:

EIA-810 *Monthly Refinery Report*
EIA-811 *Monthly Bulk Terminal Report*
EIA-812 *Monthly Product Pipeline Report*
EIA-816 *Monthly Natural Gas Liquids Report*

Table B3. Product Basis vs. Component Basis Reporting

1979-1983 Product Basis	1984 Component Basis				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Ethane	•				
Ethane-Propane Mixtures	•	•			
Propane		•			
Butane-Propane Mixtures		•	•		
Butane			•		
Isobutane				•	
Unfractionated Stream	•	•	•	•	•
Natural Gasoline and Isopentane					•
Plant Condensate					•

A fifth survey, the Form EIA-814, *Monthly Imports Report* (formerly Form ERA-60), was not modified. Adjustments are applied to NGL imports data to make them consistent with the revised reporting system (See Explanatory Note 12).

Note 12: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquids (NGL) supply data, moving from a nine-product slate basis to a five-component slate basis that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analysis of the products they imported during the first six months of 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the importers.

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analysis of the products they exported during 1983. The percentages shown in Table B4 are derived from the weighted averages of the data provided by the exporters.

It was necessary to derive percentages by Petroleum Administration for Defense (PAD) Districts of exportation, due to the wide variation of components included in the mixed streams.

Note 13: Statistical Notes

The universe of each of the Petroleum Supply surveys (refinery, bulk terminal, pipeline, crude oil stock, import, etc.,) is relatively small and ever-changing due to company births, deaths, mergers and splits. The frequency distributions of the petroleum supply variables are non-normal, highly variable, positive skewed and leptokurtic; that is, there are many small units and few large ones. Zeros often dominate the responses; that is, not all of the sampling units produce and/or store all products.

The statistics described in Table B5 were calculated from the monthly surveys over a 12-month period.

(1) The number of active sampling units (respondents).

Table B4. Algorithm for Allocating NGL Imports/Exports
(Percent)

	EIA Component Slate				
	Ethane	Propane	Normal Butane	Isobutane	Pentanes Plus
Import Product					
Natural Gasoline and Isopentane (EIA-814)	--	--	--	--	100
Plant Condensate (EIA-814)	--	--	--	--	100
Ethane (IM-145)	100	--	--	--	--
Propane (IM-145)	--	100	--	--	--
Butane (IM-145)	--	--	65	35	--
Butane-Propane Mixtures (IM-145)	--	40	35	20	5
Ethane-Propane Mixtures (IM-145)	60	40	--	--	--
Export Product					
Ethane (All PAD Districts)	100	--	--	--	--
Propane(All PAD Districts)	--	100	--	--	--
Butane (All PAD Districts)	--	--	100	--	--
Mixed Streams					
PAD Districts I, IV, V	--	40	60	--	--
PAD District II	30	25	15	15	15
PAD District III	--	80	20	--	--

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Gross Input to Atmospheric Crude Oil Distillation Units												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	182	182	185	186	185	185	181	186	186	186	187	186
Average	2,242	2,052	2,216	2,151	2,283	2,221	2,362	2,326	2,154	2,217	2,142	2,259
Standard Deviation	2,518	2,315	2,507	2,471	2,600	2,457	2,587	2,602	2,389	2,520	2,433	2,493
Refinery Crude Oil Input												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	183	182	185	185	185	184	182	186	186	185	187	185
Average	2,196	2,021	2,188	2,136	2,256	2,205	2,325	2,300	2,147	2,208	2,119	2,251
Standard Deviation	2,481	2,286	2,478	2,460	2,571	2,435	2,565	2,581	2,385	2,508	2,403	2,482
Refinery Finished Leaded Motor Gasoline Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	152	151	149	152	147	147	148	150	147	142	143	144
Average	271	259	280	274	288	287	294	274	249	261	252	257
Standard Deviation	265	263	268	274	282	269	279	266	228	259	254	278
Refinery Finished Unleaded Motor Gasoline Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	165	165	165	163	165	164	165	164	160	164	163	163
Average	1,021	958	1,019	1,019	1,037	1,025	1,086	1,120	1,085	1,077	1,084	1,167
Standard Deviation	1,156	1,077	1,145	1,155	1,198	1,151	1,269	1,279	1,235	1,242	1,230	1,299
Refinery Distillate Fuel Oil Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	180	177	181	180	178	181	178	181	182	184	183	183
Average	529	450	477	490	524	492	497	502	472	491	491	532
Standard Deviation	601	485	527	552	562	520	514	528	489	550	550	598

Table B5. Descriptive Statistics for Selected Petroleum Supply Variables (Continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Refinery Residual Fuel Oil Gross Production												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	145	144	143	143	144	141	140	141	142	146	147	149
Average	222	211	218	207	194	196	211	200	192	200	201	232
Standard Deviation	324	333	340	319	283	290	311	291	269	288	290	334
Refinery Finished Leaded Motor Gasoline Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	157	157	155	152	154	153	150	152	149	148	149	145
Average	89	89	85	83	73	70	72	73	64	64	67	78
Standard Deviation	87	93	83	88	70	72	68	75	63	66	68	85
Bulk Terminal Finished Leaded Motor Gasoline Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	141	142	142	141	141	140	138	137	136	133	133	129
Average	195	182	168	162	155	148	165	172	168	146	141	154
Standard Deviation	409	382	349	337	329	319	364	409	403	305	284	298
Pipeline Finished Leaded Motor Gasoline Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	51	47	51	47	51	51	47	46	49	50	48	51
Average	246	248	230	247	231	222	236	214	194	197	198	176
Standard Deviation	380	373	387	376	376	383	372	289	291	328	312	324
Refinery Finished Unleaded Motor Gasoline Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	170	170	169	169	169	169	169	166	167	169	169	167
Average	232	237	230	213	219	204	206	222	209	215	230	228
Standard Deviation	270	299	268	230	271	247	256	266	231	277	267	256
Bulk Terminal Finished Unleaded Motor Gasoline Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	149	154	152	152	152	148	147	148	145	147	146	143
Average	440	446	431	416	429	384	395	401	439	420	428	467
Standard Deviation	978	1,038	969	950	984	886	890	915	1,050	992	1,028	1,091
Pipeline Finished Unleaded Motor Gasoline Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	53	54	53	54	52	55	54	54	52	55	56	53
Average	788	786	780	810	801	743	777	792	812	793	794	846
Standard Deviation	1,729	1,725	1,630	1,801	1,725	1,684	1,681	1,675	1,794	1,740	1,907	1,844
Refinery Distillate Fuel Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	200	194	193	195	194	196	195	196	198	196	195	196
Average	199	168	150	165	182	208	205	213	213	209	202	190
Standard Deviation	281	216	196	198	205	271	258	306	282	270	250	250
Bulk Terminal Distillate Fuel Oil Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	234	232	230	230	227	228	227	229	227	224	229	229
Average	260	235	176	177	202	205	240	261	286	285	282	259
Standard Deviation	719	640	477	476	537	546	567	628	708	681	707	642
Pipeline Distillate Fuel Oil Stocks												
Respondents	81	81	81	81	81	82	82	83	83	83	84	83
Nonzero Respondents	54	56	57	55	58	56	56	56	55	54	57	57
Average	506	413	355	401	410	409	454	431	441	432	438	475
Standard Deviation	1,269	1,090	870	962	1,066	973	1,219	1,072	1,010	1,119	1,184	1,335
Refinery Residual Fuel Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	164	162	162	162	159	160	159	160	161	160	159	159
Average	115	116	116	114	120	110	105	105	115	107	116	111
Standard Deviation	169	183	172	164	167	154	145	147	168	156	171	164
Bulk Terminal Residual Fuel Oil Stocks												
Respondents	305	305	309	309	309	305	304	298	299	298	322	322
Nonzero Respondents	71	71	71	72	72	73	72	70	71	70	71	69
Average	379	367	348	335	367	332	334	303	366	361	358	387
Standard Deviation	778	764	707	646	815	707	719	667	741	660	666	737
Refinery Crude Oil Stocks												
Respondents	242	238	232	236	235	234	234	234	234	233	230	227
Nonzero Respondents	185	183	181	183	182	182	182	182	183	182	183	183
Average	534	533	557	586	580	593	567	559	558	567	525	503
Standard Deviation	646	665	681	709	692	730	679	676	693	704	665	612
Pipeline/Tank Farm Crude Oil Stocks												
Respondents	130	130	129	131	129	128	128	127	127	128	127	129
Nonzero Respondents	124	124	123	124	120	120	119	119	121	121	121	121
Average	1,593	1,619	1,707	1,664	1,754	1,735	1,729	1,638	1,517	1,575	1,616	1,601
Standard Deviation	3,105	3,309	3,450	3,321	3,600	3,461	3,481	3,197	2,954	3,060	3,208	3,156

(2) The number of sampling units reporting nonzero values (nonzero respondents).

(3) The average of nonzero values reported in thousand barrels (average).

(4) The standard deviation of nonzero values reported in thousand barrels (standard deviation).

Note 14: Addition of Crude Oil Pipeline Movements Data

Beginning in January 1985, inter-Petroleum Administration for Defense (PAD) District pipeline movements of crude oil were included in the crude oil supply balance at the PAD District level but did not affect National level statistics. As a result of including these movements, *Net Receipts* of crude oil and *Unaccounted for Crude Oil* at the PAD District level changed significantly. Also affected were crude oil imports and unfinished oil imports at the PAD District level which are provided by *PAD District of entry* (Tables 4-8) and by *PAD District of processing* (Table 14).

The tables in the *Petroleum Supply Annual* (PSA) that were changed due to the inclusion of inter-PAD District pipeline movements of crude oil are listed below.

- Tables 4-8, "PAD Districts I to V, Supply and Disposition of Crude Oil and Petroleum Products." *Net Receipts* includes movements by pipeline as well as tanker and barge.
- Table 20, "Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes movements by pipeline as well as by tanker and barge.
- Table 21, "Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts." A line was added to report crude oil movements.
- Table 23, "Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts." The crude oil line includes net movements by pipeline as well as by tanker and barge.

Note 15: 1986 Changes in Petroleum Industry Reporting

Beginning in January 1986, several changes to the Petroleum Supply Reporting System (PSRS) went into effect. These changes affected the frame of operators of petroleum facilities required to complete the monthly surveys in the PSRS and resulted in some changes to the tables presented in the *Petroleum Supply Annual* (PSA).

Changes in Survey Frames

As a result of frames maintenance activities, 39 respondents were added to the monthly survey frames. Table B6 shows the impact of the data reported by the new respondents on published data for production and stocks of major petroleum products.

Also, beginning in January 1986, a major integrated petroleum company consolidated production and stocks reporting for some of its facilities. Data previously reported separately on Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-816, *Monthly Natural Gas Liquids Report*, for two facilities, have been combined with data reported for two refineries on Form EIA-810, *Monthly Refinery Report*. The primary impact of this reporting change is on Table 18, "Stocks of Crude Oil and Petroleum

Table B6. Impact of New Respondents to December 1985 PSM Data

Product	Refinery Production (thousand barrels per day)		Stocks[a] (thousand barrels)	
	Reported by New Respondents	Published U.S. Total	Reported by New Respondents	Published U.S. Total
Leaded Gasoline	1.3	2,326	224	81,379
Unleaded Gasoline	0.6	4,323	276	108,422
Distillate Fuel Oil	0	3,174	1,217	143,911
Residual Fuel Oil	0	1,055	1,747	50,671
NGLs & LRGs	0	393	409	80,898
Other Products	0	3,302	1,413	239,158
Crude Oil (excl. SPR)	--	--	2,314	318,695

[a] Stocks as of December 31, 1985.

Products by PAD District," which will show a decrease in natural gas liquids (NGL) stocks at bulk terminals and natural gas processing plants, and an increase in NGL stocks at refineries.

Changes in Publication Tables

Several changes have been made to tables in the PSA either as a direct result of changes in reporting requirements or to improve the usefulness of the publication. These changes are:

- Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District"

  - Alaskan crude oil receipts are now shown separately.

- Table 12, "Refinery Production of Petroleum Products by PAD District"

  - The "petrochemical feedstock use" and "other use" are no longer shown separately for still gas or for liquefied refinery gases.

- Table 14, "Imports of Crude Oil and Petroleum Products by PAD District"

  - Imports of unfinished oils are now separated into four categories: naphthas and lighter, kerosene and light gas oils, heavy gas oils, and residuum.

- Table 15, "Imports of Crude Oil and Petroleum Products by Source"

  - Countries formerly included in the categories "Other Western Hemisphere" and "Other Eastern Hemisphere" are shown individually.

- Table 18, "Stocks of Crude Oil and Petroleum Products by PAD District"

  - The breakout between "petrochemical feedstock use" and "other use" for each liquefied petroleum gas was eliminated.

Note 16: 1987 Changes in the Petroleum Supply Reporting System

Several changes to the Petroleum Supply Reporting System went into effect at the beginning of January 1987. These changes were made as part of the Energy Information Administration's (EIA's) continuing effort to provide pertinent, timely and consistent energy information.

Changes in Data Collection and Reporting Systems

- Fresh feed input to catalytic cracking units, hydrocracking units and cokers were added to the Form EIA-810, *Monthly Refinery Report.*

Changes in Publication Tables

- The "Appalachian No. 2" Refining District has been combined with the "Indiana, Illinois, Kentucky," Refining District. This affects *Petroleum Supply Annual* (PSA) Tables 10, 11, 12, 13, 18, 24, and 25.

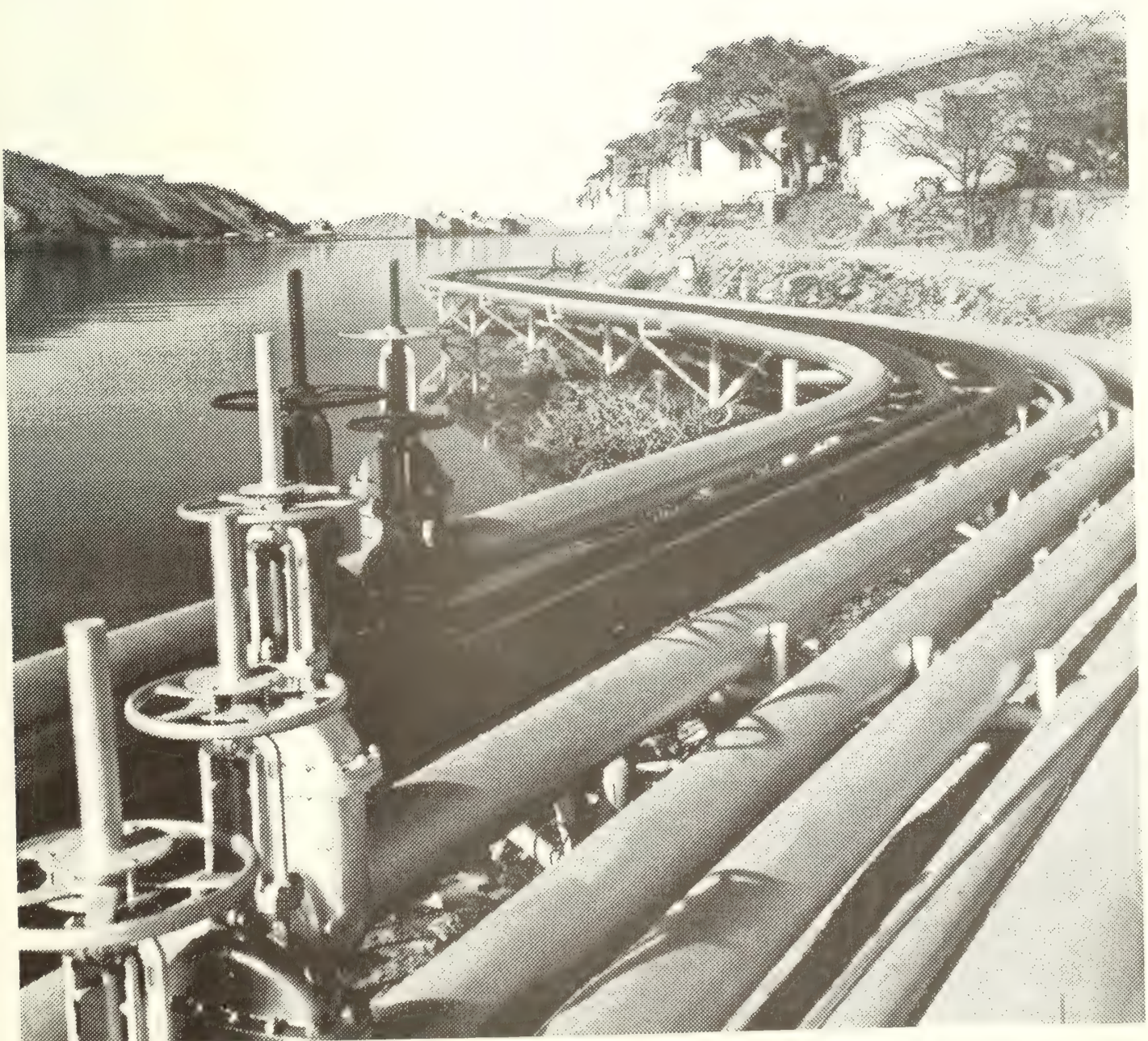
- Fresh feed inputs to catalytic cracking units, hydrocracking units and cokers are included in Table 11, "Refinery Input of Crude Oil and Petroleum Products by PAD District."

Clarification

In 1986, several refineries and terminals in the United States applied for Foreign Trade Zone (FTZ) status and applications from three refineries were approved. Consequently, during 1986, some refineries with FTZ status were treated as if they were within the United States while the Hawaiian FTZ was considered outside.

- Effective with the January 1987 data, all Foreign Trade Zone facilities located within the 50 United States are considered domestic entities and are included in statistics in the PSA. The principal differences in the PSA data series are about a 1 percent increase in crude oil imports and a 3 percent decrease in product imports.

Glossary



Pipelines carry crude oil and petroleum products between refineries and ports.

Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; CH-(CH)n-OH (e.g., methanol, ethanol, and tertiary butyl alcohol (TBA)).

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp.gr.}60\ F/60\ F} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt, still gas and wax to barrels are given in the definitions of these products.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed during a 24-hour period after making allowances for the following limitations:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude oil and product slate conditions.

Benzene. An aromatic hydrocarbon, (C6H6), present to a minor degree in most crude oils. Some important products manufactured from benzene are: styrene, phenol, nylon, aniline, and synthetic detergents.

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon, (C4H10). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C4H10). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C4H8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. Includes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees F to 750 degrees F (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Drip gases are also included, but topped crude oil (residual oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil . A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F at the 10-percent recovery point and 550 degrees F at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 designates minimum and maximum distillation temperatures at the 90-percent recovery point of 540 degrees F and 640 degrees F, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as designated in the ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a maximum distillation temperature of 550 degrees F at the 90-percent recovery point for use in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with minimum and maximum distillation temperatures at the 90-percent recovery point of 540 and 640 degrees F for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C2H6). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene. An olefinic hydrocarbon, (C2H4), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Flexicoking. A thermal cracking process which converts heavy hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity between that of kerosene and lubricating oil. It derives its

name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. See Motor Gasoline (Finished).

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Heavy Gas Oil. Petroleum distillates with an approximate boiling range from 651 degrees F to 1000 degrees F.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See Butane.

Isohexane. A saturated branch-chain hydrocarbon, (C6H14). It is a colorless liquid that boils at a temperature of 156.2 degrees F.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane, (C4), an alkylation process feedstock, and normal pentane and hexane into isopentane, (C5), and isohexane, (C6), high-octane gasoline components.

Isopentane. See Natural Gasoline and Isopentane.

Kerosene. A petroleum distillate that has a maximum distillation temperature of 401 degrees F at the 10-percent recovery point, a final boiling point of 572 degrees F, and a minimum flash point of 100 degrees F. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-type Jet Fuel. A quality kerosene product with a maximum distillation temperature of 400 degrees F at the 10-percent recovery point and a final maximum boiling point of 572 degrees F. The fuel is designated in ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Light Gas Oils. Liquid petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees F to 650 degrees F.

Liquefied Petroleum Gases (LPG). Ethane, ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. Do not include byproducts of lubricating oil refining such as aromatic extracts derived from solvent extraction or tars derived from deasphalting. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. A product of hydrotreating, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils).

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a range in distillation temperatures from 122 to 158 degrees F at the 10-percent recovery point and from 365 to 374 degrees F at the 90-percent recovery point. The Reid Vapor Pressure ranges from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol), limited to 10 percent by volume of alcohol.

Motor Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished motor gasoline (e.g. straight-run gasoline, alkylate, and reformate). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

Naphtha-type Jet Fuel. A fuel in the heavy naphtha boiling range. ASTM Specification D1655 specifies for this fuel maximum distillation temperatures of 290 degrees F at the 20-percent recovery point and 470 degrees F at the 90-percent point, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e., products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gas Processing Plant. A gas processing plant is a facility designed (1) to achieve the recovery of natural gas liquids from the stream of natural gas which may or may not have been processed through lease separators and field facilities, and (2) to control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See Butane.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates. Oxygenates include both alcohols and ethers used as octane boosting additives for gasoline (e.g., methyl tertiary butyl ether).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F" and "Other oils over 400 degrees F."

> *Naphtha-Less Than 400 Degrees F.* A naphtha with a boiling range of less than 400 degrees F that is intended for use as a petrochemical feedstock.
>
> *Other Oils-Over 400 Degrees F.* Oils with a boiling range of over 400 degrees F that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

> *Marketable Coke.* Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.
>
> *Catalyst Coke.* In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plant pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

Production Capacity. The amount of product that can be produced from processing facilities.

Propane. A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene. An olefinic hydrocarbon, (C3H6), recovered from refinery processes or petrochemical processes.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Residual Fuel Oil. The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations and that conform to ASTM Specifications D396 and 975. Included are No. 5, a residual fuel oil of medium viscosity; Navy Special, for use in steam-powered vessels in government service and in shore power plants; No. 6, which includes Bunker C fuel oil, and is used for commercial and industrial heating, electricity generation and to power ships. Imports of residual fuel oil include imported crude oil burned as fuel.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees F.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank and is always greater than or equal to working storage capacity.

Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6.000 million Btu's per barrel (42 U.S. gallons).

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A nonmetallic element of lemon-yellow color, sometimes known as "brimstone."

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene. An aromatic hydrocarbon, (C6H5CH3), somewhat similar to benzene but of a higher boiling point produced in the coking of coal and also by petroleum refining processes. It is the basis of dyes, explosives, and aromatic compounds. Along with xylene, it is a key component in unleaded gasoline.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending. Includes naphthas, kerosene, light and heavy gas oils, and residuum. See individual categories for definition.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42 U.S. gallons per barrel.

> ***Microcrystalline Wax.*** Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics: Penetration at 77 degrees F (D1321)-60 maximum. Viscosity at 210 degrees F in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.
>
> ***Crystalline-Fully Refined Wax.*** A light-colored paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes)

maximum. Oil content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics: Viscosity at 210 degrees F (D88)-59.9 SUS (10.18 centistokes) maximum. Oil content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Working Storage Capacity. The volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene. An aromatic hydrocarbon, (C6H4(CH3)2), produced in petroleum refining (cracking) processes. One important use is as a solvent in the manufacture of paints. Along with toluene, it is a key ingredient in unleaded gasoline.

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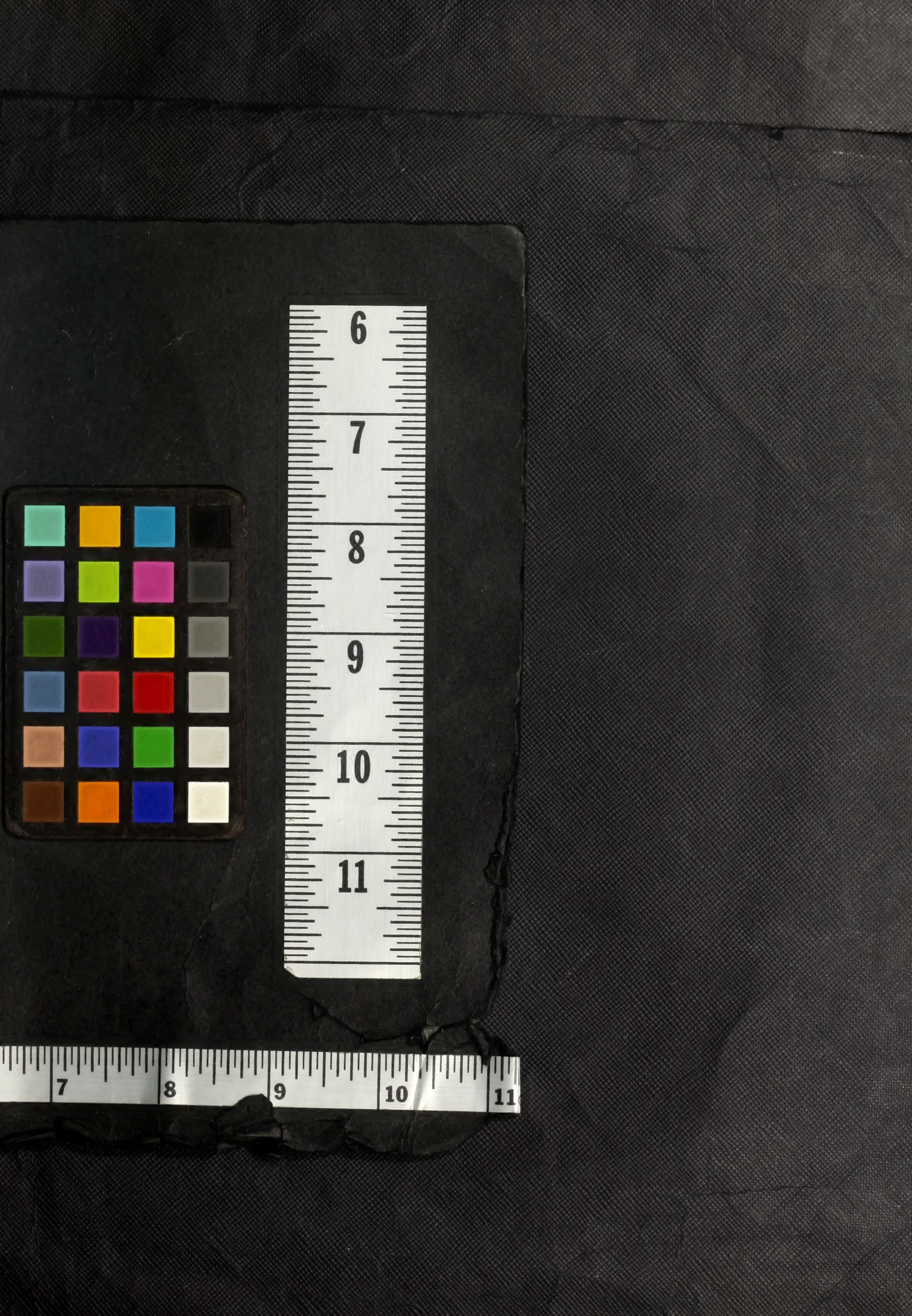
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